

**Flood Control Project Maintenance**  
**2019 Structure Summary Report**  
**Overall Unit and Item Ratings**

## DWR Sutter Maintenance Yard

### Butte Slough Drainage Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	A
	Metal Pipes	A
	Trash Racks	N
	Flap Gates	A
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	N
	Concrete Tilting / Settlement	N
	Concrete Foundations	N
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	A
	Operation & Maintenance Manual	A

**Flood Control Project Maintenance**  
**2019 Structure Summary Report**  
**Overall Unit and Item Ratings**

## DWR Sutter Maintenance Yard (cont.)

### Butte Slough Outfall Structure

Overall Unit Rating	Rated Item	Item Rating
<b>A</b>	Photo Documentation	N
	Vegetation & Obstructions	M
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	M
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	A
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	M
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

**Flood Control Project Maintenance**  
**2019 Structure Summary Report**  
**Overall Unit and Item Ratings**

## DWR Sutter Maintenance Yard (cont.)

### Colusa Weir

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	M
	Shoaling / Sedimentation	M
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	A
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	A
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

**Flood Control Project Maintenance**  
**2019 Structure Summary Report**  
**Overall Unit and Item Ratings**

## DWR Sutter Maintenance Yard (cont.)

### Goose Lake Overflow Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	M
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	M
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	A
	Operation & Maintenance Manual	A

**Flood Control Project Maintenance**  
**2019 Structure Summary Report**  
**Overall Unit and Item Ratings**

## DWR Sutter Maintenance Yard (cont.)

### Highland Canal Diversion Weir And Drainage Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	N
	Encroachments	A
	Culverts: Inlets / Outlets	M
	Culverts: Breaks / Holes / Cracks	A
	Metal Pipes	A
	Trash Racks	N
	Flap Gates	M
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

**Flood Control Project Maintenance**  
**2019 Structure Summary Report**  
**Overall Unit and Item Ratings**

## DWR Sutter Maintenance Yard (cont.)

### Little Chico Creek Control And Weir Structures

Overall Unit Rating	Rated Item	Item Rating
<b>A</b>	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

**Flood Control Project Maintenance**  
**2019 Structure Summary Report**  
**Overall Unit and Item Ratings**

**DWR Sutter Maintenance Yard (cont.)**

**M&T Ranch Overflow Structure**

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	M
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	A
	Operation & Maintenance Manual	A

**Flood Control Project Maintenance**  
**2019 Structure Summary Report**  
**Overall Unit and Item Ratings**

## DWR Sutter Maintenance Yard (cont.)

### Middle Creek Pumping Plant

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	A
	Operation & Maintenance Manual	A
	Plant Building	M
	Communications	A
	Safety	A
	Cranes	N
	Pumps	A
	Power	A
	Motors, Engines, Fans & Gear Reducers	N
	Pump Control Systems	A
	Sumps/Wet Well	A
	Trash Racks	A
	Trash Rakes	N
	Sluice / Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	A
	Other Metallic Items	A
	Flap Gates	N
	Closure Structures	N
	Security Fencing	A
	Intake and Discharge Pipes	A



**Flood Control Project Maintenance**  
**2019 Structure Summary Report**  
**Overall Unit and Item Ratings**

## DWR Sutter Maintenance Yard (cont.)

### Moulton Weir

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	A
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

**Flood Control Project Maintenance**  
**2019 Structure Summary Report**  
**Overall Unit and Item Ratings**

## DWR Sutter Maintenance Yard (cont.)

### Nelson Bend

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	M
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	N
	Concrete Tilting / Settlement	N
	Concrete Foundations	N
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	A
	Operation & Maintenance Manual	A

**Flood Control Project Maintenance**  
**2019 Structure Summary Report**  
**Overall Unit and Item Ratings**

## DWR Sutter Maintenance Yard (cont.)

### Sutter Bypass Pumping Plant No. 1

Overall Unit Rating	Rated Item	Item Rating
<b>A</b>	Operating Log	A
	Operation & Maintenance Manual	A
	Plant Building	A
	Communications	A
	Safety	A
	Cranes	N
	Pumps	A
	Power	A
	Motors, Engines, Fans & Gear Reducers	A
	Pump Control Systems	A
	Sumps/Wet Well	A
	Trash Racks	A
	Trash Rakes	N
	Sluice / Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	A
	Other Metallic Items	A
	Flap Gates	A
	Closure Structures	N
	Security Fencing	A
	Intake and Discharge Pipes	A

### Sutter Bypass Pumping Plant No. 2

Overall Unit Rating	Rated Item	Item Rating
<b>A</b>	Operating Log	A
	Operation & Maintenance Manual	A
	Plant Building	A
	Communications	A
	Safety	A
	Cranes	N
	Pumps	A
	Power	A
	Motors, Engines, Fans & Gear Reducers	A
	Pump Control Systems	A
	Sumps/Wet Well	M
	Trash Racks	A
	Trash Rakes	N
	Sluice / Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	A
	Other Metallic Items	A
	Flap Gates	A
	Closure Structures	N
	Security Fencing	A
	Intake and Discharge Pipes	A

**Flood Control Project Maintenance**  
**2019 Structure Summary Report**  
**Overall Unit and Item Ratings**

**DWR Sutter Maintenance Yard (cont.)**

**Sutter Bypass Pumping Plant No. 3**

Overall Unit Rating	Rated Item	Item Rating
<b>A</b>	Operating Log	A
	Operation & Maintenance Manual	A
	Plant Building	A
	Communications	A
	Safety	A
	Cranes	N
	Pumps	A
	Power	A
	Motors, Engines, Fans & Gear Reducers	A
	Pump Control Systems	A
	Sumps/Wet Well	A
	Trash Racks	A
	Trash Rakes	N
	Sluice / Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	A
	Other Metallic Items	A
	Flap Gates	A
	Closure Structures	N
	Security Fencing	A
	Intake and Discharge Pipes	A

**Flood Control Project Maintenance**  
**2019 Structure Summary Report**  
**Overall Unit and Item Ratings**

## DWR Sutter Maintenance Yard (cont.)

### Sutter Bypass Weir No. 2

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	A
	Electric Gate Operators	A
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	A
	Closure Structures	A
	Trash Rakes	N
	Other Metallic Items	A
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

**Flood Control Project Maintenance**  
**2019 Structure Summary Report**  
**Overall Unit and Item Ratings**

## DWR Sutter Maintenance Yard (cont.)

### Tisdale Weir

Overall Unit Rating	Rated Item	Item Rating
<b>M</b>	Photo Documentation	N
	Vegetation & Obstructions	U
	Shoaling / Sedimentation	M
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	U
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	M
	Operation & Maintenance Manual	A

**Flood Control Project Maintenance**  
**2019 Structure Summary Report**  
**Overall Unit and Item Ratings**

## DWR Sutter Maintenance Yard (cont.)

### Wadsworth Canal Weir No. 4

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	A
	Closure Structures	A
	Trash Rakes	N
	Other Metallic Items	A
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

**Flood Control Project Maintenance**  
**Unit Cover Sheet**  
**2019 Structure Inspection Results**

**DWR Sutter Maintenance Yard**

Structure
Butte Slough Drainage Structure

Structure Rating	A
Date of Inspection	7/17/2019
DWR Inspector	Makar Sokol
Accompanied By	Bryan Reniff Sutter Maintenance Yard



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_1				
Action/Comments					

Photo 1 of 7 : ST\_2019\_NA0060\_38\_1\_20190718\_00010.jpg



View of the Butte Slough Drainage Structure on the landside.

Photo 2 of 7 : ST\_2019\_NA0060\_38\_1\_20190718\_00011.jpg



Up-close view of the Butte Slough Drainage Structure on the landside.

Photo 3 of 7 : ST\_2019\_NA0060\_38\_1\_20190718\_00012.jpg



View of the pipe from the landside.

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>1 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>1 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	1 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Photo Documentation			39.197288 °	39.197288 °	
				-121.943847 °	-121.943847 °	
DWR ID	DWR_NA0060_38_t_2012_1					
Action/Comments						

Photo 4 of 7 : ST\_2019\_NA0060\_38\_1\_20190718\_00013.jpg



View of the centerline alignment from the landside, looking at the levee.

Photo 5 of 7 : ST\_2019\_NA0060\_38\_1\_20190718\_00014.jpg



View of the Butte Slough Drainage Structure on the waterside.

Photo 6 of 7 : ST\_2019\_NA0060\_38\_1\_20190718\_00015.jpg



Top view of the outfall flap gate.

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>1 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>1 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	1 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Photo Documentation			39.197288 °		39.197288 °
				-121.943847 °		-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_1					
Action/Comments						

Photo 7 of 7 : ST\_2019\_NA0060\_38\_1\_20190718\_00016.jpg



Side view of the outfall flap gate.

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_2				
Action/Comments					
Inspector Comments: There is minimal vegetation and debris on the landside, but it does not impede the flow into the structure. The outfall is clear of vegetation.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Shoaling / Sedimentation			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_3				
Action/Comments					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_4				
Action/Comments					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Revetments			39.197288 °	39.197288 °	
				-121.943847 °	-121.943847 °	
DWR ID	DWR_NA0060_38_t_2012_5					
Action/Comments						
Inspector Comments: Cobble is grouted in place around the outfall. It appears to be in good condition.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	6	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			39.197288 °	39.197288 °	
				-121.943847 °	-121.943847 °	
DWR ID	DWR_NA0060_38_t_2012_6					
Action/Comments						
Inspector Comments: No encroachments or obstructions were observed during the inspection.						

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	A	Issue No.	7	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Culverts: Inlets / Outlets			39.197288 °	39.197288 °	
				-121.943847 °	-121.943847 °	
DWR ID	DWR_NA0060_38_t_2012_7					
Action/Comments						
Inspector Comments: No debris observed around the pipe.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Breaks / Holes / Cracks			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_8				
Action/Comments					
Inspector Comments: The visible portion of the culvert shows no signs of breaks, holes or cracking and appears to be in proper working condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Metal Pipes			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_9				
Action/Comments					
Inspector Comments: The visible portion of the culvert shows no signs of breaks, holes or cracking and appears to be in proper working condition.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Structure 2019

### DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_10				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_11				
Action/Comments					

Photo 1 of 1 : ST\_2019\_NA0060\_38\_11\_20190718\_00017.jpg



View of the flap gate.

LM Start	0.00	Rating **	N	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Sluice/Slide Gates			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_12				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Electric Gate Operators	39.197288 °		39.197288 °	
		-121.943847 °		-121.943847 °	
DWR ID	DWR_NA0060_38_t_2012_13				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Manual Gate Operators	39.197288 °		39.197288 °	
		-121.943847 °		-121.943847 °	
DWR ID	DWR_NA0060_38_t_2012_14				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	15	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Concrete Surfaces			39.197288 °		39.197288 °
				-121.943847 °		-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_15					
Action/Comments						
Inspector Comments: This item does not apply to this inspection.						

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Tilting / Settlement	39.197288 °		39.197288 °	
		-121.943847 °		-121.943847 °	
DWR ID	DWR_NA0060_38_t_2012_16				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Foundations	39.197288 °		39.197288 °	
		-121.943847 °		-121.943847 °	
DWR ID	DWR_NA0060_38_t_2012_17				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_18				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Closure Structures	39.197288 °		39.197288 °	
		-121.943847 °		-121.943847 °	
DWR ID	DWR_NA0060_38_t_2012_19				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Trash Rakes	39.197288 °		39.197288 °	
		-121.943847 °		-121.943847 °	
DWR ID	DWR_NA0060_38_t_2012_20				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2013_21				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_22				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Safety			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_23				
Action/Comments					
Inspector Comments: There are no safety issues, the facility is located well off of any path of travel. Safety hardware is unnecessary, there are no hazardous conditions that would affect the operation of the facility.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2013_24				
Action/Comments					
Inspector Comments: O&M is available at the office.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance**  
**Unit Cover Sheet**  
**2019 Structure Inspection Results**

**DWR Sutter Maintenance Yard**

Structure
Butte Slough Outfall Structure

Structure Rating	A
Date of Inspection	7/17/2019
DWR Inspector	Makar Sokol
Accompanied By	Bryan Reniff Sutter Maintenance Yard

**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Structure 2019

### DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_1				
Action/Comments					

Photo 1 of 8 : ST\_2019\_NA0060\_42\_1\_20190718\_00014.jpg



View of the Butte Slough Outfall Structure from the landside levee crown.

Photo 2 of 8 : ST\_2019\_NA0060\_42\_1\_20190718\_00011.jpg



Another view of the Butte Slough Outfall Structure.

Photo 3 of 8 : ST\_2019\_NA0060\_42\_1\_20190718\_00013.jpg



View of the platform and mechanical gate operation mechanism.

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>1 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>1 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Structure 2019

### DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	1 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Photo Documentation			39.194972 °	39.194972 °	
				-121.936088 °	-121.936088 °	
DWR ID	DWR_NA0060_42_t_2012_1					
Action/Comments						

Photo 4 of 8 : ST\_2019\_NA0060\_42\_1\_20190718\_00012.jpg



View of the valve operator with rust on the gears.

Photo 5 of 8 : ST\_2019\_NA0060\_42\_1\_20190718\_00015.jpg



View of the abandoned in-place hoist system.

Photo 6 of 8 : ST\_2019\_NA0060\_42\_1\_20190718\_00019.jpg



View of the Butte Slough Outfall Structure headwall on the waterside of the levee.

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>1 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	1 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Photo Documentation			39.194972 °	39.194972 °	
				-121.936088 °	-121.936088 °	
DWR ID	DWR_NA0060_42_t_2012_1					
Action/Comments						

Photo 7 of 8 : ST\_2019\_NA0060\_42\_1\_20190718\_00016.jpg



View of the right side of the structure's headwall.

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>1 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 8 of 8 : ST\_2019\_NA0060\_42\_1\_20190718\_00017.jpg



View of the left side of the structure's headwall.

LM Start	0.00	Rating **	M	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_2				
Action/Comments					
Inspector Comments: Some logs jammed near the slide gates which may impact proper operation of the structure.					

Photo 1 of 1 : ST\_2019\_NA0060\_42\_2\_20190718\_00020.jpg



View of the log jammed next to the slide gate.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Shoaling / Sedimentation	39.194972 °		39.194972 °	
		-121.936088 °		-121.936088 °	
DWR ID	DWR_NA0060_42_t_2012_3				
Action/Comments					
Inspector Comments: No shoaling or sedimentation is visible.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Erosion / Bank Caving	39.194972 °		39.194972 °	
		-121.936088 °		-121.936088 °	
DWR ID	DWR_NA0060_42_t_2012_4				
Action/Comments					
Inspector Comments: The active erosion at the outlet's headwall is progressing from year to year. The erosion needs to be addressed.					

Photo 1 of 2 : ST\_2019\_NA0060\_42\_4\_20190718\_00021.jpg



View of the active erosion around the rightside of the headwall.

Photo 2 of 2 : ST\_2019\_NA0060\_42\_4\_20190718\_00022.jpg



View of the active erosion around the leftside of the headwall.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Revetments	39.194972 °		39.194972 °	
		-121.936088 °		-121.936088 °	
DWR ID	DWR_NA0060_42_t_2012_5				
Action/Comments					
Inspector Comments: Exisiting cobble on landside appears to be in good condition and is clearly visible.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Encroachments	39.194972 °		39.194972 °	
		-121.936088 °		-121.936088 °	
DWR ID	DWR_NA0060_42_t_2012_6				
Action/Comments					
Inspector Comments: No encroachments or obstructions are visible.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Inlets / Outlets			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_7				
Action/Comments					
Inspector Comments: There does not appear to be sediment, debris or vegetation blocking the inlets or outlets.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Breaks / Holes / Cracks			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_8				
Action/Comments					
Inspector Comments: Culverts were submerged at the time of this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Metal Pipes			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_9				
Action/Comments					
Inspector Comments: Pipes were fully submerged at the time of the inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_10				
Action/Comments					
Inspector Comments: No trash racks on this structure.					

No Photos

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Flap Gates	39.194972 °		39.194972 °	
		-121.936088 °		-121.936088 °	
DWR ID	DWR_NA0060_42_t_2012_11				
Action/Comments					
Inspector Comments: Flap gates were fully submerged at the time of this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Sluice/Slide Gates			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_12				
Action/Comments					
Inspector Comments: Gates appear to be operating normally, however, a few logs were observed near slide gates at the time of inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_13				
Action/Comments					
Inspector Comments: No electric gate operators at this facility.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	A	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_14				
Action/Comments					
Inspector Comments: Manual gate operators appear to be in good working condition, however, some lubrication may need to be applied to ensure proper operation of the mechanism.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Surfaces			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_15				
Action/Comments					
Inspector Comments: Concrete appears to be in good shape, no visible spalling, cracking or scaling.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	16	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Concrete Tilting / Settlement			39.194972 °	39.194972 °	
				-121.936088 °	-121.936088 °	
DWR ID	DWR_NA0060_42_t_2012_16					
Action/Comments						
Inspector Comments: No evidence of tilting, sliding or settlement is present.						

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Foundations	39.194972 °		39.194972 °	
		-121.936088 °		-121.936088 °	
DWR ID	DWR_NA0060_42_t_2012_17				
Action/Comments					
Inspector Comments: The active erosion noted in issue No. 4 should be addressed.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_18				
Action/Comments					
Inspector Comments: There is a security gate on the road, but no security fencing to inspect.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_19				
Action/Comments					
Inspector Comments: There is no separate closure structure aside from the manually operated sluice gates on the waterside of the structure.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Trash Rakes	39.194972 °		39.194972 °	
		-121.936088 °		-121.936088 °	
DWR ID	DWR_NA0060_42_t_2012_20				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_21				
Action/Comments					
Inspector Comments: Corrosion on metal support structure at waterline may need repair as it appears to be significant in some portions of the angle iron members. Metal railings and catwalks are showing signs of rust. Metal items should be painted or coated to prevent corrosion.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_22				
Action/Comments					
Inspector Comments: Joints appear to be in good condition.					

No Photos

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Structure 2019

### DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Safety	39.194972 °		39.194972 °	
		-121.936088 °		-121.936088 °	
DWR ID	DWR_NA0060_42_t_2012_23				
Action/Comments					
Inspector Comments: Railing is in place at manual sluice gate controls.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2013_24				
Action/Comments					
Inspector Comments: O&M is available at the office.					

No Photos

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance**  
**Unit Cover Sheet**  
**2019 Structure Inspection Results**

**DWR Sutter Maintenance Yard**

Structure
Colusa Weir

Structure Rating	<a href="#">A</a>
Date of Inspection	<a href="#">7/17/2019</a>
DWR Inspector	<a href="#">Makar Sokol</a>
Accompanied By	<a href="#">Bryan Reniff</a> <a href="#">DWR Sutter Yard</a>

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	1	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Photo Documentation			39.232135 °		39.232135 °
				-121.996253 °		-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_1					
Action/Comments						

Photo 1 of 9 : ST\_2019\_NA0060\_55\_1\_20190718\_00018.jpg



View of the weir from the right bank looking upstream.

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>1 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 2 of 9 : ST\_2019\_NA0060\_55\_1\_20190718\_00019.jpg



View of the weir from the right bank looking downstream.

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>1 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 3 of 9 : ST\_2019\_NA0060\_55\_1\_20190718\_00020.jpg



View of the weir from the left bank looking upstream.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	1 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Photo Documentation			39.232135 °	39.232135 °	
				-121.996253 °	-121.996253 °	
DWR ID	DWR_NA0060_55_t_2012_1					
Action/Comments						

Photo 4 of 9 : ST\_2019\_NA0060\_55\_1\_20190718\_00021.jpg



View of the weir from the left bank looking downstream.

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>1 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 5 of 9 : ST\_2019\_NA0060\_55\_1\_20190718\_00013.jpg



View of the weir's right bank abutment.

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>1 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 6 of 9 : ST\_2019\_NA0060\_55\_1\_20190718\_00016.jpg



View of the weir's left bank abutment.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	1 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Photo Documentation			39.232135 °	39.232135 °	
				-121.996253 °	-121.996253 °	
DWR ID	DWR_NA0060_55_t_2012_1					
Action/Comments						

Photo 7 of 9 : ST\_2019\_NA0060\_55\_1\_20190718\_00012.jpg



Typical view of the weir.

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>1 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 8 of 9 : ST\_2019\_NA0060\_55\_1\_20190718\_00014.jpg



Typical upstream view from the weir.

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>1 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 9 of 9 : ST\_2019\_NA0060\_55\_1\_20190718\_00015.jpg



Typical downstream view from the weir.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	M	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_2				
Action/Comments					
Inspector Comments: Scattered debris, sediment, and obstructions should be removed. The flow is minimally impeded.					

Photo 1 of 2 : ST\_2019\_NA0060\_55\_2\_20190718\_00022.jpg



View of the typical vegetation found on the downstream side of the weir.

LM Start	<b>0.00</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST\_2019\_NA0060\_55\_2\_20190718\_00023.jpg



View of a large tree in the weir.

LM Start	0.00	Rating **	M	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Shoaling / Sedimentation			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_3				
Action/Comments					
Inspector Comments: Sedimentation is present. Most of the sedimentation buildup is within the right half of the weir.					

Photo 1 of 1 : ST\_2019\_NA0060\_55\_3\_20190718\_00024.jpg



View of the sediment buildup.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_4				
Action/Comments					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Revetments			39.232135 °		39.232135 °
				-121.996253 °		-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_5					
Action/Comments						
Inspector Comments: The riprap is present. Vegetation within the ripraped area should be cleared.						

Photo 1 of 1 : ST\_2019\_NA0060\_55\_5\_20190718\_00025.jpg



View of the riprap on the downstream side of the weir.

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Encroachments	39.232135 °		39.232135 °	
		-121.996253 °		-121.996253 °	
DWR ID	DWR_NA0060_55_t_2012_6				
Action/Comments					

No Photos

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	7	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Culverts: Inlets / Outlets			39.232135 °	39.232135 °	
				-121.996253 °	-121.996253 °	
DWR ID	DWR_NA0060_55_t_2012_7					
Action/Comments						
Inspector Comments: This item does not apply to this inspection.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Breaks / Holes / Cracks			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_8				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Metal Pipes			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_9				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Trash Racks	39.232135 °		39.232135 °	
		-121.996253 °		-121.996253 °	
DWR ID	DWR_NA0060_55_t_2012_10				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Flap Gates	39.232135 °		39.232135 °	
		-121.996253 °		-121.996253 °	
DWR ID	DWR_NA0060_55_t_2012_11				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Sluice/Slide Gates	39.232135 °		39.232135 °	
		-121.996253 °		-121.996253 °	
DWR ID	DWR_NA0060_55_t_2012_12				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	13	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Electric Gate Operators			39.232135 °	39.232135 °	
				-121.996253 °	-121.996253 °	
DWR ID	DWR_NA0060_55_t_2012_13					
Action/Comments						
Inspector Comments: This item does not apply to this inspection.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_14				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Surfaces			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_15				
Action/Comments					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Tilting / Settlement	39.232135 °		39.232135 °	
		-121.996253 °		-121.996253 °	
DWR ID	DWR_NA0060_55_t_2012_16				
Action/Comments					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_17				
Action/Comments					

No Photos

LM Start	0.00	Rating **	A	Issue No.	18	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Security Fencing			39.232135 °		39.232135 °
				-121.996253 °		-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_18					
Action/Comments						

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Closure Structures	39.232135 °		39.232135 °	
		-121.996253 °		-121.996253 °	
DWR ID	DWR_NA0060_55_t_2012_19				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Trash Rakes	39.232135 °		39.232135 °	
		-121.996253 °		-121.996253 °	
DWR ID	DWR_NA0060_55_t_2012_20				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Other Metallic Items	39.232135 °		39.232135 °	
		-121.996253 °		-121.996253 °	
DWR ID	DWR_NA0060_55_t_2013_24				
Action/Comments					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			39.232135°	39.232135°
				-121.996253°	-121.996253°
DWR ID	DWR_NA0060_55_t_2012_22				
Action/Comments					

No Photos

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Safety			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_23				
Action/Comments					
Inspector Comments: Adequate protection for fall hazards exist. No hazardous conditions that might affect the operation of the structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t_2014_21				
Action/Comments					
Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.					

No Photos

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance**  
**Unit Cover Sheet**  
**2019 Structure Inspection Results**

**DWR Sutter Maintenance Yard**

Structure
Goose Lake Overflow Structure

Structure Rating	A
Date of Inspection	7/25/2019
DWR Inspector	Makar Sokol
Accompanied By	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		07/25/2019 07/25/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_1				
Action/Comments					
Inspector Comments: Google Earth Satellite view of the structure.					

Photo 1 of 2 : ST\_2019\_NA0060\_225\_1\_20190521\_00001.jpg



The structure location is highlighted and is shown in relation to the Sacramento River.

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>1 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	CR

Photo 2 of 2 : ST\_2019\_NA0060\_225\_1\_20190726\_00006.jpg



Typical view of the structure.

LM Start	0.00	Rating **	M	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			39.569247 °	39.569247 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_2				
Action/Comments					
Inspector Comments: Spray the vegetation for approximately 20 feet on both sides of the weir.					

Photo 1 of 2 : ST\_2019\_NA0060\_225\_2\_20190726\_00007.jpg



View of the vegetation on the upstream of the weir.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		07/25/2019 07/25/2019	Makar Sokol

LM Start	0.00	Rating **	M	Issue No.	2 (cont)	
LM End	0.00	Issue Type +	Ma	Location *	LS	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Vegetation & Obstructions			39.569247 °		39.569247 °
				-121.982569 °		-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_2					
Action/Comments						
Inspector Comments: Spray the vegetation for approximately 20 feet on both sides of the weir.						

Photo 2 of 2 : ST\_2019\_NA0060\_225\_2\_20190726\_00009.jpg



View of the vegetation on the downstream of the weir.

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Shoaling / Sedimentation			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t _ 2013_3				
Action/Comments					

No Photos

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_4				
Action/Comments					

No Photos

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		07/25/2019 07/25/2019	Makar Sokol

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Revetments			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_5				
Action/Comments					

Photo 1 of 1 : ST\_2019\_NA0060\_225\_5\_20190521\_00004.jpg



View of the existing revetment on the downstream of the weir.

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t _ 2013_6				
Action/Comments					

No Photos

LM Start	0.00	Rating **	N	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Inlets / Outlets			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t _ 2013_7				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		07/25/2019 07/25/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Breaks / Holes / Cracks			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_8				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	9	
LM End	0.00	Issue Type +	Ma	Location *	LS	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Metal Pipes			39.569248 °		39.569248 °
				-121.982569 °		-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_9					
Action/Comments						
Inspector Comments: This item does not apply to this inspection.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	10	
LM End	0.00	Issue Type +	Ma	Location *	LS	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Trash Racks			39.569248 °		39.569248 °
				-121.982569 °		-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_10					
Action/Comments						
Inspector Comments: This item does not apply to this inspection.						

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		07/25/2019 07/25/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Flap Gates	39.569248 °		39.569248 °	
		-121.982569 °		-121.982569 °	
DWR ID	DWR_NA0060_225_t_2013_11				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Sluice/Slide Gates			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_12				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_13				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		07/25/2019 07/25/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_14				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Surfaces			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_15				
Action/Comments					
Inspector Comments: Damaged portions of the concrete surfaces should be repaired.					

Photo 1 of 1 : ST\_2019\_NA0060\_225\_15\_20190726\_00010.jpg



View of the damaged concrete surface.

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Tilting / Settlement			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t _ 2013_16				
Action/Comments					

No Photos

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		07/25/2019 07/25/2019	Makar Sokol

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_17				
Action/Comments					

No Photos

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_18				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_19				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		07/25/2019 07/25/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t _ 2013_20				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t _ 2013_21				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t _ 2013_22				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		07/25/2019 07/25/2019	Makar Sokol

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Safety	39.569248 °		39.569248 °	
		-121.982569 °		-121.982569 °	
DWR ID	DWR_NA0060_225_t _ 2013_24				
Action/Comments					
Inspector Comments: There are no safety features built in or necessary at this structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Operation & Maintenance Manual	39.569248 °		39.569248 °	
		-121.982569 °		-121.982569 °	
DWR ID	DWR_NA0060_225_t _ 2013_23				
Action/Comments					
Inspector Comments: There is not an O+M manual for this structure.					

No Photos

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance**  
**Unit Cover Sheet**  
**2019 Structure Inspection Results**

**DWR Sutter Maintenance Yard**

Structure
Highland Canal Diversion Weir And Drainage Structure

Structure Rating	A
Date of Inspection	6/25/2019
DWR Inspector	Zach Jojola
Accompanied By	Makar Sokol DWR

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		06/25/2019 06/25/2019	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_1				
Action/Comments					
Inspector Comments: Highland Canal Diversion Weir works as a control point that diverts water through a culvert during high water season.					

Photo 1 of 1 : ST\_2019\_NA0060\_7\_1\_20190627\_00007.jpg



View of the weir. Summer 2019.

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_2				
Action/Comments					
Inspector Comments: There is some minor vegetation that will not impede the flow of water through the culvert or over the weir structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	3	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Shoaling / Sedimentation			39.126317 °		39.126317 °
				-122.882733 °		-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_3					
Action/Comments						
Inspector Comments: No shoaling or sedimentation was present.						

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		06/25/2019 06/25/2019	Zach Jojola

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_4				
Action/Comments					
Inspector Comments: No active erosion or active bank caving was observed around the structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	5	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Revetments			39.126317 °	39.126317 °	
				-122.882733 °	-122.882733 °	
DWR ID	DWR_NA0060_7_t_2018_5					
Action/Comments						
Inspector Comments: This item does not apply to this inspection.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	6	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			39.126317 °		39.126317 °
				-122.882733 °		-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_6					
Action/Comments						
Inspector Comments: No debris was found at the structure.						

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		06/25/2019 06/25/2019	Zach Jojola

LM Start	0.00	Rating **	M	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Inlets / Outlets			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_7				
Action/Comments					
Inspector Comments: There is some debris in the culvert. The Sutter Yard confirmed they will remove it when the water levels decrease.					

Photo 1 of 2 : ST\_2019\_NA0060\_7\_7\_20190627\_00009.jpg



View of the inlets. Summer 2019.

LM Start	<b>0.00</b>	Rating **	M	Issue No.	<b>7 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST\_2019\_NA0060\_7\_7\_20190627\_00010.jpg



View of the outlets. Summer 2019.

LM Start	0.00	Rating **	A	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Breaks / Holes / Cracks			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_8				
Action/Comments					
Inspector Comments: There were no visible breaks, holes, or cracks detected in the culvert.					

No Photos

**\* Location**  
LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		06/25/2019 06/25/2019	Zach Jojola

LM Start	0.00	Rating **	A	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Metal Pipes	39.126317 °		39.126317 °	
		-122.882733 °		-122.882733 °	
DWR ID	DWR_NA0009_7_t_2012_9				
Action/Comments					
Inspector Comments: The outlet pipes appeared to be in good condition.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_10				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_11				
Action/Comments					
Inspector Comments: Some debris is preventing the flap gate from closing. The Sutter Yard confirmed they will clear out the debris once the water levels decrease.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		06/25/2019 06/25/2019	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Sluice/Slide Gates	39.126317 °		39.126317 °	
		-122.882733 °		-122.882733 °	
DWR ID	DWR_NA0009_7_t _ 2012_12				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_ 2012_13				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_ 2012_14				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		06/25/2019 06/25/2019	Zach Jojola

LM Start	0.00	Rating **	A	Issue No.	15	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Concrete Surfaces			39.126317 °	39.126317 °	
				-122.882733 °	-122.882733 °	
DWR ID	DWR_NA0009_7_t_2012_15					
Action/Comments						
Inspector Comments: There was some minor cracking and scaling on the concrete structure do to its age, but this does not appear to threaten its structural integrity.						

Photo 1 of 4 : ST\_2019\_NA0060\_7\_15\_20190701\_00011.jpg



View of the concrete weir structure. Summer 2019.

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>15 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 2 of 4 : ST\_2019\_NA0060\_7\_15\_20190701\_00012.jpg



View of the weir stilling basin. Summer 2019.

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>15 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 3 of 4 : ST\_2019\_NA0060\_7\_15\_20190701\_00013.jpg



View of the weir structure facing towards the downstream relief channel. Summer 2019.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		06/25/2019 06/25/2019	Zach Jojola

LM Start	0.00	Rating **	A	Issue No.	15 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Concrete Surfaces			39.126317 °		39.126317 °
				-122.882733 °		-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_15					
Action/Comments						
Inspector Comments: There was some minor cracking and scaling on the concrete structure do to its age, but this does not appear to threaten its structural integrity.						

Photo 4 of 4 : ST\_2019\_NA0060\_7\_15\_20190701\_00014.jpg



View of the structure facing towards the inlets. Summer 2019.

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Tilting / Settlement	39.126317 °		39.126317 °	
		-122.882733 °		-122.882733 °	
DWR ID	DWR_NA0009_7_t_2012_16				
Action/Comments					
Inspector Comments: There are no visible areas of tilting or settlement.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Foundations	39.126317 °		39.126317 °	
		-122.882733 °		-122.882733 °	
DWR ID	DWR_NA0009_7_t_2012_17				
Action/Comments					
Inspector Comments: No scouring or erosion was found near the structure.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		06/25/2019 06/25/2019	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Security Fencing	39.126317 °		39.126317 °	
		-122.882733 °		-122.882733 °	
DWR ID	DWR_NA0009_7_t_2012_18				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_19				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Trash Rakes			39.126317 °		39.126317 °
				-122.882733 °		-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_20					
Action/Comments						
Inspector Comments: This item does not apply to this inspection.						

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		06/25/2019 06/25/2019	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Other Metallic Items	39.126317 °		39.126317 °	
		-122.882733 °		-122.882733 °	
DWR ID	DWR_NA0009_7_t _ 2012_21				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Monolith Joints	39.126317 °		39.126317 °	
		-122.882733 °		-122.882733 °	
DWR ID	DWR_NA0060_7_t _ 2014_22				
Action/Comments					
Inspector Comments: The monolith joints material were in good condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Safety	39.126317 °		39.126317 °	
		-122.882733 °		-122.882733 °	
DWR ID	DWR_NA0009_7_t _ 2012_23				
Action/Comments					
Inspector Comments: There were no safety hazards around the structure.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		06/25/2019 06/25/2019	Zach Jojola

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Operation & Maintenance Manual	39.126317 °		39.126317 °	
		-122.882733 °		-122.882733 °	
DWR ID	DWR_NA0060_7_t_2013_24				
Action/Comments					
Inspector Comments: The district has the O&M manual in their office.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance**  
**Unit Cover Sheet**  
**2019 Structure Inspection Results**

**DWR Sutter Maintenance Yard**

Structure
Little Chico Creek Control And Weir Structures

Structure Rating	A
Date of Inspection	7/2/2019
DWR Inspector	Sterling York
Accompanied By	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/02/2019 07/02/2019	Sterling York

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			39.733555°	39.733555°
				-121.771772°	-121.771772°
DWR ID	DWR_NA0060_9_t_2012_1				
Action/Comments					

Photo 1 of 6 : ST\_2019\_NA0060\_9\_1\_20190710\_00020.jpg



View of the Little Chico Structure looking upstream, 2019.

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>1 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 2 of 6 : ST\_2019\_NA0060\_9\_1\_20190710\_00023.jpg



View of the Little Chico Structure looking south, 2019.

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>1 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 3 of 6 : ST\_2019\_NA0060\_9\_1\_20190710\_00021.jpg



View of the Little Chico Structure looking south over the weir, 2019.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/02/2019 07/02/2019	Sterling York

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			39.733555 °	39.733555 °
				-121.771772 °	-121.771772 °
DWR ID	DWR_NA0060_9_t_2012_1				
Action/Comments					

Photo 4 of 6 : ST\_2019\_NA0060\_9\_1\_20190710\_00022.jpg



View of the Little Chico Structure looking north, 2019.

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>1 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 5 of 6 : ST\_2019\_NA0060\_9\_1\_20190710\_00024.jpg



View of the control structure looking downstream, 2019.

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>1 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 6 of 6 : ST\_2019\_NA0060\_9\_1\_20190710\_00025.jpg



View of the Little Chico Weir Structure looking upstream, 2019.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/02/2019 07/02/2019	Sterling York

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			39.733555 °	39.733555 °
				-121.771772 °	-121.771772 °
DWR ID	DWR_NA0060_9_t_2012_2				
Action/Comments					
Inspector Comments: Any unwanted vegetation should be removed before winter, 2019.					

Photo 1 of 3 : ST\_2019\_NA0060\_9\_2\_20190710\_00026.jpg



This is a view looking upstream at the vegetation from the weir, 2019.

LM Start	0.00	Rating **	A	Issue No.	2 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 3 : ST\_2019\_NA0060\_9\_2\_20190710\_00027.jpg



This is a view looking downstream from the weir at the vegetation, 2019.

LM Start	0.00	Rating **	A	Issue No.	2 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 3 : ST\_2019\_NA0060\_9\_2\_20190701\_00008.jpg



This is a view looking downstream from the control structure at the vegetation, 2018.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/02/2019 07/02/2019	Sterling York

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Shoaling / Sedimentation			39.733555 °	39.733555 °
				-121.771772 °	-121.771772 °
DWR ID	DWR_NA0060_9_t_2012_3				
Action/Comments					
Inspector Comments: There appears to be little/no shoaling or sedimentation, the flow does not appear to be impeded.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.733555 °	39.733555 °
				-121.771772 °	-121.771772 °
DWR ID	DWR_NA0060_9_t_2012_4				
Action/Comments					
Inspector Comments: No erosion observed during inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Revetments			39.733555 °	39.733555 °	
				-121.771772 °	-121.771772 °	
DWR ID	DWR_NA0060_9_t_2012_5					
Action/Comments						
Inspector Comments: Riprap appeared to be in place and sufficient.						

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/02/2019 07/02/2019	Sterling York

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.733555 °	39.733555 °
				-121.771772 °	-121.771772 °
DWR ID	DWR_NA0060_9_t_2012_6				
Action/Comments					
Inspector Comments: Wood debris encroachment in the weir has been removed, 2019.					

Photo 1 of 2 : ST\_2019\_NA0060\_9\_6\_20190710\_00028.jpg



View of the weir with the removed debris, 2019.

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>6 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST\_2019\_NA0060\_9\_6\_20190701\_00011.jpg



View of a few logs trapped in the weir, 2018.

LM Start	0.00	Rating **	A	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Inlets / Outlets			39.733555 °	39.733555 °
				-121.771772 °	-121.771772 °
DWR ID	DWR_NA0060_9_t_2012_7				
Action/Comments					
Inspector Comments: Inlets and outlets are clear of obstructions, 2019.					

Photo 1 of 2 : ST\_2019\_NA0060\_9\_7\_20190710\_00031.jpg



View of inlets clear of obstructions, 2019.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/02/2019 07/02/2019	Sterling York

LM Start	0.00	Rating **	A	Issue No.	7 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Culverts: Inlets / Outlets			39.733555 °	39.733555 °	
				-121.771772 °	-121.771772 °	
DWR ID	DWR_NA0060_9_t_2012_7					
Action/Comments						
Inspector Comments: Inlets and outlets are clear of obstructions, 2019.						

Photo 2 of 2 : ST\_2019\_NA0060\_9\_7\_20190710\_00030.jpg



View of outlets clear of obstructions, 2019.

LM Start	0.00	Rating **	N	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Culverts: Breaks / Holes / Cracks	39.733555 °		39.733555 °	
		-121.771772 °		-121.771772 °	
DWR ID	DWR_NA0060_9_t_2012_8				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Metal Pipes			39.733555 °	39.733555 °
				-121.771772 °	-121.771772 °
DWR ID	DWR_NA0060_9_t_2012_9				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/02/2019 07/02/2019	Sterling York

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Trash Racks	39.733555 °		39.733555 °	
		-121.771772 °		-121.771772 °	
DWR ID	DWR_NA0060_9_t_2012_10				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Flap Gates	39.733555 °		39.733555 °	
		-121.771772 °		-121.771772 °	
DWR ID	DWR_NA0060_9_t_2012_11				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Sluice/Slide Gates	39.733555 °		39.733555 °	
		-121.771772 °		-121.771772 °	
DWR ID	DWR_NA0060_9_t_2012_12				
Action/Comments					
Inspector Comments: The two sluice gates on either end of the control structure are in good condition, 2019.					

Photo 1 of 2 : ST\_2019\_NA0060\_9\_12\_20190710\_00032.jpg



View of the two sluice gates on either end of the control structure, 2019.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/02/2019 07/02/2019	Sterling York

LM Start	0.00	Rating **	A	Issue No.	12 (cont)
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Sluice/Slide Gates			39.733555 °	39.733555 °
				-121.771772 °	-121.771772 °
DWR ID	DWR_NA0060_9_t_2012_12				
Action/Comments					
Inspector Comments: The two sluice gates on either end of the control structure are in good condition, 2019.					

Photo 2 of 2 : ST\_2019\_NA0060\_9\_12\_20190710\_00033.jpg



View of the two sluice gates on either end of the control structure, 2019.

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			39.733555 °	39.733555 °
				-121.771772 °	-121.771772 °
DWR ID	DWR_NA0060_9_t_2012_13				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			39.733555 °	39.733555 °
				-121.771772 °	-121.771772 °
DWR ID	DWR_NA0060_9_t_2012_14				
Action/Comments					
Inspector Comments: There are no manual gates on this structure.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/02/2019 07/02/2019	Sterling York

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Surfaces	39.733555 °		39.733555 °	
		-121.771772 °		-121.771772 °	
DWR ID	DWR_NA0060_9_t_2012_15				
Action/Comments					
Inspector Comments: The concrete surface appears to be in good condition in most locations but one of the inlets is showing some wear and spalling, 2019.					

Photo 1 of 1 : ST\_2019\_NA0060\_9\_15\_20190710\_00034.jpg



View of one of the inlets that is showing some wear and spalling and rebar is exposed, 2019.

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Tilting / Settlement			39.733555°	39.733555°
				-121.771772°	-121.771772°
DWR ID	DWR_NA0060_9_t_2012_16				
Action/Comments					
Inspector Comments: No noticeable or identifiable areas of tilting, sliding or settlement were observed during inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Foundations	39.733555°		39.733555°	
		-121.771772°		-121.771772°	
DWR ID	DWR_NA0060_9_t_2012_17				
Action/Comments					
Inspector Comments: The concrete foundation appears to be in good condition.					

No Photos

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/02/2019 07/02/2019	Sterling York

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			39.733555 °	39.733555 °
				-121.771772 °	-121.771772 °
DWR ID	DWR_NA0060_9_t_2012_18				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			39.733555 °	39.733555 °
				-121.771772 °	-121.771772 °
DWR ID	DWR_NA0060_9_t_2012_19				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			39.733555 °	39.733555 °
				-121.771772 °	-121.771772 °
DWR ID	DWR_NA0060_9_t_2012_20				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/02/2019 07/02/2019	Sterling York

LM Start	0.00	Rating **	N	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			39.733555 °	39.733555 °
				-121.771772 °	-121.771772 °
DWR ID	DWR_NA0060_9_t_2012_21				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			39.733555 °	39.733555 °
				-121.771772 °	-121.771772 °
DWR ID	DWR_NA0060_9_t_2012_22				
Action/Comments					
Inspector Comments: Monolith joints appear to be in good condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Safety			39.733555 °	39.733555 °
				-121.771772 °	-121.771772 °
DWR ID	DWR_NA0060_9_t_2012_23				
Action/Comments					
Inspector Comments: Hand rails are installed and are in good condition, 2019.					

Photo 1 of 2 : ST\_2019\_NA0060\_9\_23\_20190710\_00037.jpg



Hand rails are installed and are in good condition, 2019.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/02/2019 07/02/2019	Sterling York

LM Start	0.00	Rating **	A	Issue No.	23 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Safety			39.733555 °		39.733555 °
				-121.771772 °		-121.771772 °
DWR ID	DWR_NA0060_9_t_2012_23					
Action/Comments						
Inspector Comments: Hand rails are installed and are in good condition, 2019.						

Photo 2 of 2 : ST\_2019\_NA0060\_9\_23\_20190710\_00035.jpg



Hand rails are installed and are in good condition, 2019.

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Operation & Maintenance Manual	39.733555 °		39.733555 °	
		-121.771772 °		-121.771772 °	
DWR ID	DWR_NA0060_9_t_2013_24				
Action/Comments					
Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.					

No Photos

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance**  
**Unit Cover Sheet**  
**2019 Structure Inspection Results**

**DWR Sutter Maintenance Yard**

Structure
M&T Ranch Overflow Structure

Structure Rating	A
Date of Inspection	7/25/2019
DWR Inspector	Makar Sokol
Accompanied By	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		07/25/2019 07/25/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_1				
Action/Comments					
Inspector Comments: Per Sutter Yard, the temporary berm on the upstream side of the structure was placed to divert the flow for the restoration project. The berm requires no maintenance and will erode naturally.					

Photo 1 of 3 : ST\_2019\_NA0060\_228\_1\_20190521\_00001.jpg



The structure location is highlighted and is shown in relation to the Sacramento River.

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>1 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : ST\_2019\_NA0060\_228\_1\_20190726\_00007.jpg



Typical view of the structure.

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>1 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : ST\_2019\_NA0060\_228\_1\_20190731\_00015.jpg



View of the temporary berm on the upstream side of the overflow structure.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		07/25/2019 07/25/2019	Makar Sokol

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			39.674690 °	39.674690 °
				-121.947013 °	-121.947013 °
DWR ID	DWR_NA0014_228_t_2013_2				
Action/Comments					
Inspector Comments: The scattered piles of tree branches should be removed.					

Photo 1 of 3 : ST\_2019\_NA0060\_228\_2\_20190521\_00002.jpg



View of the vegetation on the upstream side of the weir.

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>2 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : ST\_2019\_NA0060\_228\_2\_20190726\_00008.jpg



View of the pile of tree branches; 0.1 miles from the structure's left bank.

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>2 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : ST\_2019\_NA0060\_228\_2\_20190726\_00009.jpg



View of another pile of tree branches; 0.6 miles from the structure's left bank.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		07/25/2019 07/25/2019	Makar Sokol

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Shoaling / Sedimentation			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_3				
Action/Comments					
Inspector Comments: No shoaling or sedimentation observed during the inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.668789 °	39.668789 °
				-121.957170 °	-121.957170 °
DWR ID	DWR_NA0014_228_t_2013_4				
Action/Comments					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Revetments			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_5				
Action/Comments					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		07/25/2019 07/25/2019	Makar Sokol

LM Start	0.00	Rating **	M	Issue No.	6
LM End	0.00	Issue Type +	En	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t _ 2013_6				
Action/Comments					

Photo 1 of 1 : ST\_2019\_NA0060\_228\_6\_20190731\_00016.jpg



View of the electrical wire fence encroachment on the upstream side of the structure.

LM Start	0.00	Rating **	N	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Inlets / Outlets			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t _ 2013_7				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Breaks / Holes / Cracks			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t _ 2013_8				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		07/25/2019 07/25/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Metal Pipes			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_9				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_10				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_11				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		07/25/2019 07/25/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Sluice/Slide Gates			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_12				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_13				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_14				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		07/25/2019 07/25/2019	Makar Sokol

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Surfaces	39.674690 °		39.674690 °	
		-121.947010 °		-121.947010 °	
DWR ID	DWR_NA0014_228_t_2013_15				
Action/Comments					

No Photos

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Tilting / Settlement	39.674690 °		39.674690 °	
		-121.947010 °		-121.947010 °	
DWR ID	DWR_NA0014_228_t_2013_16				
Action/Comments					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t _2013_17				
Action/Comments					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		07/25/2019 07/25/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_18				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_19				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20	
LM End	0.00	Issue Type +	Ma	Location *	WS	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Trash Rakes			39.674690 °		39.674690 °
				-121.947010 °		-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_20					
Action/Comments						
Inspector Comments: This item does not apply to this inspection.						

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		07/25/2019 07/25/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_21				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_22				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Safety			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_23				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		07/25/2019 07/25/2019	Makar Sokol

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t _ 2013_24				
Action/Comments					
Inspector Comments: No O&M Manual exists for this structure.					

No Photos

**\* Location**  
LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance****Unit Cover Sheet****2019 Pumping Plant Inspection Results****DWR Sutter Maintenance Yard**

Pumping Plant
Middle Creek Pumping Plant

Pumping Plant Rating	<b>A</b>
Date of Inspection	6/25/2019
DWR Inspector	Zach Jojola
Accompanied By	Makar Sokol DWR



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		06/25/2019 06/25/2019	Zach Jojola

LM Start	0.00	Rating **	A	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Operating Log			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_1				
Action/Comments					
Inspector Comments: The operating log was up to date and present at the pump station. This pump was operated continuously during the 2019 flood season.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_2				
Action/Comments					
Inspector Comments: The O&M manual was present at the pumping plant.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Plant Building			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_3				
Action/Comments					
Inspector Comments: The plant building was in good structural condition with no major cracks that could threaten the integrity of the building. However, the adjacent structure has some differential settlement that appears to be stable.					

Photo 1 of 3 : ST\_2019\_NA0060\_17\_3\_20190701\_00013.jpg



View of the pumping plant. Summer 2019.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		06/25/2019 06/25/2019	Zach Jojola

LM Start	0.00	Rating **	M	Issue No.	3 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Plant Building			39.142300 °	39.142300 °	
				-122.902350 °	-122.902350 °	
DWR ID	DWR_NA0060_17_t_2012_3					
Action/Comments						
Inspector Comments: The plant building was in good structural condition with no major cracks that could threaten the integrity of the building. However, the adjacent structure has some differential settlement that appears to be stable.						

Photo 2 of 3 : ST\_2019\_NA0060\_17\_3\_20190701\_00014.jpg



View of adjacent structure. Summer 2019.

LM Start	<b>0.00</b>	Rating **	M	Issue No.	<b>3 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : ST\_2019\_NA0060\_17\_3\_20190701\_00015.jpg



View of stabilized settlement on the adjacent structure. Summer 2019.

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Communications			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_4				
Action/Comments					
Inspector Comments: A cellular phone is available for the pump station operator.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		06/25/2019 06/25/2019	Zach Jojola

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Safety			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_5				
Action/Comments					
Inspector Comments: No safety hazard was present around the plant. All of the guard rails and fences were secured and in good condition.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	6	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Cranes			39.142300 °	39.142300 °	
				-122.902350 °	-122.902350 °	
DWR ID	DWR_NA0060_17_t_2013_6					
Action/Comments						
Inspector Comments: A crane doesn't exist at this location.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Pumps			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_7				
Action/Comments					
Inspector Comments: The pumps appeared to be in good working condition and properly maintained including proper lubrication level.					

Photo 1 of 1 : ST\_2019\_NA0060\_17\_7\_20190701\_00016.jpg



View of the three pumps. Summer 2019.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		06/25/2019 06/25/2019	Zach Jojola

LM Start	0.00	Rating **	A	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Power			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_8				
Action/Comments					
Inspector Comments: The power source appears to be reliable and safe.					

Photo 1 of 1 : ST\_2019\_NA0060\_17\_8\_20190701\_00017.jpg



View of the powerlines that supply power to the plant. Summer 2019.

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Motors, Engines, Fans & Gear Reducers			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2019_10				
Action/Comments					
Inspector Comments: There were no motors or fans present at this plant other than the pumps.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Pump Control Systems			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_11				
Action/Comments					
Inspector Comments: The pump control systems appeared to be operational and free of damage.					

Photo 1 of 1 : ST\_2019\_NA0060\_17\_11\_20190701\_00018.jpg



View of the pump controls. Summer 2019.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		06/25/2019 06/25/2019	Zach Jojola

LM Start	0.00	Rating **	A	Issue No.	12	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start		End
Item	Sumps/Wet Well			39.142300 °		39.142300 °
				-122.902350 °		-122.902350 °
DWR ID	DWR_NA0060_17_t_2013_12					
Action/Comments						
Inspector Comments: Wet wells were clear of debris.						

Photo 1 of 1 : ST\_2019\_NA0060\_17\_12\_20190701\_00019.jpg



View of the wet well and intake pipes. Summer 2019.

LM Start	0.00	Rating **	A	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_13				
Action/Comments					
Inspector Comments: Trash racks appeared to be in good condition and free of debris.					

Photo 1 of 1 : ST\_2019\_NA0060\_17\_13\_20190701\_00020.jpg



View of the trash racks. Summer 2019.

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2013_14				
Action/Comments					
Inspector Comments: A trash rake doesn't exist at this location.					

No Photos

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		06/25/2019 06/25/2019	Zach Jojola

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Sluice / Slide Gates			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2013_15				
Action/Comments					
Inspector Comments: The slide gates are in good working condition.					

Photo 1 of 1 : ST\_2019\_NA0060\_17\_15\_20190701\_00021.jpg



View of the slide gates. Summer 2019.

LM Start	0.00	Rating **	N	Issue No.	16	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Electric Gate Operators			39.142300 °	39.142300 °	
				-122.902350 °	-122.902350 °	
DWR ID	DWR_NA0060_17_t_2012_16					
Action/Comments						
Inspector Comments: No electric gate operator was present in this plant.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_17				
Action/Comments					
Inspector Comments: The manual gate operators are in good working condition.					

Photo 1 of 2 : ST\_2019\_NA0060\_17\_17\_20190701\_00022.jpg



View of a manual operator at the plant. Summer 2019.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		06/25/2019 06/25/2019	Zach Jojola

LM Start	0.00	Rating **	A	Issue No.	17 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start		End
Item	Manual Gate Operators			39.142300 °		39.142300 °
				-122.902350 °		-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_17					
Action/Comments						
Inspector Comments: The manual gate operators are in good working condition.						

Photo 2 of 2 : ST\_2019\_NA0060\_17\_17\_20190625\_00011.jpg



Another view of the manual operator. Summer 2018.

LM Start	0.00	Rating **	A	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_18				
Action/Comments					
Inspector Comments: All other metallic parts appeared to be in good condition.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2013_19				
Action/Comments					
Inspector Comments: Flap gates don't exist at this location. Instead a backflow prevention device is used to perform similar task as the flap gates.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		06/25/2019 06/25/2019	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_20				
Action/Comments					
Inspector Comments: No closure structure exists in this plant.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_21				
Action/Comments					
Inspector Comments: Security fencing appeared to be in good condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Intake and Discharge Pipes			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_22				
Action/Comments					
Inspector Comments: The pipes appeared to be in good working condition.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance**

**Unit Cover Sheet**

**2019 Structure Inspection Results**

**DWR Sutter Maintenance Yard**

Structure
Moulton Weir

Structure Rating	A
Date of Inspection	7/17/2019
DWR Inspector	Makar Sokol
Accompanied By	Bryan Reniff DWR

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			39.338242°	39.338242°
				-122.022073°	-122.022073°
DWR ID	DWR_NA0060_4_t_2012_1				
Action/Comments					

Photo 1 of 6 : ST\_2019\_NA0060\_4\_1\_20190718\_00022.jpg



View of the weir from the left bank abutment.

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>1 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 2 of 6 : ST\_2019\_NA0060\_4\_1\_20190718\_00018.jpg



View of the weir from the right bank abutment.

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>1 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 3 of 6 : ST\_2019\_NA0060\_4\_1\_20190718\_00019.jpg



View of the upstream of the weir from the right bank.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	1 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Photo Documentation			39.338242 °	39.338242 °	
				-122.022073 °	-122.022073 °	
DWR ID	DWR_NA0060_4_t_2012_1					
Action/Comments						

Photo 4 of 6 : ST\_2019\_NA0060\_4\_1\_20190718\_00025.jpg



View of the downstream of the weir from the right bank.

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>1 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 5 of 6 : ST\_2019\_NA0060\_4\_1\_20190718\_00020.jpg



View of the left bank abutment.

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>1 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 6 of 6 : ST\_2019\_NA0060\_4\_1\_20190718\_00021.jpg



View of the right bank abutment.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Vegetation & Obstructions	39.338242 °		39.338242 °	
		-122.022073 °		-122.022073 °	
DWR ID	DWR_NA0060_4_t_2012_2				
Action/Comments					

No Photos

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Shoaling / Sedimentation	39.338242 °		39.338242 °	
		-122.022073 °		-122.022073 °	
DWR ID	DWR_NA0060_4_t_2012_3				
Action/Comments					

No Photos

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_4				
Action/Comments					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Revetments			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_5				
Action/Comments					
Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.					

Photo 1 of 1 : ST\_2019\_NA0060\_4\_5\_20190718\_00026.jpg



View of the revetment along the downstream side of the weir.

LM Start	0.00	Rating **	A	Issue No.	6	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			39.338242 °	39.338242 °	
				-122.022073 °	-122.022073 °	
DWR ID	DWR_NA0060_4_t_2012_6					
Action/Comments						

No Photos

LM Start	0.00	Rating **	N	Issue No.	7	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Culverts: Inlets / Outlets			39.338242 °	39.338242 °	
				-122.022073 °	-122.022073 °	
DWR ID	DWR_NA0060_4_t_2012_7					
Action/Comments						
Inspector Comments: This item does not apply to this inspection.						

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Structure 2019

### DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	8	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude				
		Start		End		
Item	Culverts: Breaks / Holes / Cracks	39.338242 °		39.338242 °		
		-122.022073 °		-122.022073 °		
DWR ID	DWR_NA0060_4_t_2012_8					
Action/Comments						
Inspector Comments: This item does not apply to this inspection.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Metal Pipes	39.338242 °		39.338242 °	
		-122.022073 °		-122.022073 °	
DWR ID	DWR_NA0060_4_t_2012_9				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Trash Racks	39.338242 °		39.338242 °	
		-122.022073 °		-122.022073 °	
DWR ID	DWR_NA0060_4_t_2012_10				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_11				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Sluice/Slide Gates			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_12				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_13				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Manual Gate Operators	39.338242 °		39.338242 °	
		-122.022073 °		-122.022073 °	
DWR ID	DWR_NA0060_4_t_2012_14				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Surfaces			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_15				
Action/Comments					
Inspector Comments: Some spalling and cracking is present, but it does not appear to be significant.					

Photo 1 of 2 : ST\_2019\_NA0060\_4\_15\_20190718\_00028.jpg



View of a longitudinal crack along a vertical concrete section.

Photo 2 of 2 : ST\_2019\_NA0060\_4\_15\_20190731\_00029.jpg



View of the spalling at one of the joints.

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>15 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Tilting / Settlement			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_16				
Action/Comments					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_17				
Action/Comments					

No Photos

LM Start	0.00	Rating **	A	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_18				
Action/Comments					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Closure Structures	39.338242 °		39.338242 °	
		-122.022073 °		-122.022073 °	
DWR ID	DWR_NA0060_4_t_2012_19				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Trash Rakes	39.338242 °		39.338242 °	
		-122.022073 °		-122.022073 °	
DWR ID	DWR_NA0060_4_t_2012_20				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Other Metallic Items	39.338242 °		39.338242 °	
		-122.022073 °		-122.022073 °	
DWR ID	DWR_NA0060_4_t_2012_21				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_22				
Action/Comments					

No Photos

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Safety			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_23				
Action/Comments					
Inspector Comments: Adequate protection for fall hazards exist. No hazardous conditions that might affect the operation of the structure exist.					

Photo 1 of 1 : ST\_2019\_NA0060\_4\_23\_20190718\_00027.jpg



View of the safety and guard railing around the left bank abutment.

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2013_24				
Action/Comments					
Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.					

No Photos

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance**  
**Unit Cover Sheet**  
**2019 Structure Inspection Results**

**DWR Sutter Maintenance Yard**

Structure
Nelson Bend

Structure Rating	A
Date of Inspection	7/1/2019
DWR Inspector	Sterling York
Accompanied By	Robert Duffey DWR

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/01/2019 07/01/2019	Sterling York

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_1				
Action/Comments					
Inspector Comments: North end 38.89550 -121.61695, South end 38.88745 -121.61533					

Photo 1 of 2 : ST\_2019\_NA0060\_54\_1\_20190708\_00004.jpg



View looking south of Nelson Bend Rock Quarry Weir, 2019.

Photo 2 of 2 : ST\_2019\_NA0060\_54\_1\_20190708\_00005.jpg



View looking north of Nelson Bend Rock Quarry Weir, 2019.

LM Start	0.00	Rating **	M	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_2				
Action/Comments					
Inspector Comments: There is scattered obstructions or vegetation. The vegetation should be cleared and trees trimmed up. May impede flow in a high water event.					

Photo 1 of 3 : ST\_2019\_NA0060\_54\_2\_20190708\_00006.jpg



View of the vegetation that is overgrowing the rock weir looking north, 2019.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/01/2019 07/01/2019	Sterling York

LM Start	0.00	Rating **	M	Issue No.	2 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Vegetation & Obstructions			38.895500 °		38.887450 °
				-121.616950 °		-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_2					
Action/Comments						
Inspector Comments: There is scattered obstructions or vegetation. The vegetation should be cleared and trees trimmed up. May impede flow in a high water event.						

Photo 2 of 3 : ST\_2019\_NA0060\_54\_2\_20190708\_00007.jpg



View of the vegetation that is overgrowing the rock weir looking south, 2019.

LM Start	<b>0.00</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : ST\_2019\_NA0060\_54\_2\_20190708\_00008.jpg



View of the vegetation around the rock weir looking upstream, 2019.

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Shoaling / Sedimentation	38.895500 °		38.887450 °	
		-121.616950 °		-121.615330 °	
DWR ID	DWR_NA0060_54_t_2012_3				
Action/Comments					
Inspector Comments: No shoaling or sedimentation present.					

No Photos

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/01/2019 07/01/2019	Sterling York

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_4				
Action/Comments					
Inspector Comments: No active erosion or bank caving observed on the landward or on the waterside of the levee / channel.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Revetments			38.895500 °	38.887450 °	
				-121.616950 °	-121.615330 °	
DWR ID	DWR_NA0060_54_t_2012_5					
Action/Comments						
Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap visible.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	6	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			38.895500 °	38.887450 °	
				-121.616950 °	-121.615330 °	
DWR ID	DWR_NA0060_54_t_2012_6					
Action/Comments						
Inspector Comments: No trash, debris, excavation, structures, or other obstructions are present within the easement.						

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/01/2019 07/01/2019	Sterling York

LM Start	0.00	Rating **	N	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Culverts: Inlets / Outlets	38.895500 °		38.887450 °	
		-121.616950 °		-121.615330 °	
DWR ID	DWR_NA0060_54_t_2012_7				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Culverts: Breaks / Holes / Cracks	38.895500 °		38.887450 °	
		-121.616950 °		-121.615330 °	
DWR ID	DWR_NA0060_54_t_2012_8				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Metal Pipes			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_9				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/01/2019 07/01/2019	Sterling York

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Trash Racks	38.895500 °		38.887450 °	
		-121.616950 °		-121.615330 °	
DWR ID	DWR_NA0060_54_t_2012_10				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_11				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	12	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Sluice/Slide Gates			38.895500 °		38.887450 °
				-121.616950 °		-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_12					
Action/Comments						
Inspector Comments: Item does not exist on this structure.						

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/01/2019 07/01/2019	Sterling York

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Electric Gate Operators	38.895500 °		38.887450 °	
		-121.616950 °		-121.615330 °	
DWR ID	DWR_NA0060_54_t_2012_13				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_14				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	15	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Concrete Surfaces			38.895500 °		38.887450 °
				-121.616950 °		-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_15					
Action/Comments						
Inspector Comments: Item does not exist on this structure.						

No Photos

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/01/2019 07/01/2019	Sterling York

LM Start	0.00	Rating **	N	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Tilting / Settlement	38.895500 °		38.887450 °	
		-121.616950 °		-121.615330 °	
DWR ID	DWR_NA0060_54_t_2012_16				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_17				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_18				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/01/2019 07/01/2019	Sterling York

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Closure Structures	38.895500 °		38.887450 °	
		-121.616950 °		-121.615330 °	
DWR ID	DWR_NA0060_54_t_2012_19				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_20				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	21	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Other Metallic Items			38.895500 °		38.887450 °
				-121.616950 °		-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_21					
Action/Comments						
Inspector Comments: Item does not exist on this structure.						

No Photos

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/01/2019 07/01/2019	Sterling York

LM Start	0.00	Rating **	N	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_22				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Safety			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_23				
Action/Comments					
Inspector Comments: No hazards present.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2013_24				
Action/Comments					
Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.					

No Photos

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance****Unit Cover Sheet****2019 Pumping Plant Inspection Results****DWR Sutter Maintenance Yard**

Pumping Plant
Sutter Bypass Pumping Plant No. 1

Pumping Plant Rating	<a href="#">A</a>
Date of Inspection	<a href="#">6/26/2019</a>
DWR Inspector	<a href="#">David Julian</a>
Accompanied By	<a href="#">Gregg Ahlers</a> <a href="#">Sutter Maintenance Yard</a>

**Flood Control Project Maintenance  
Levee Inspections**

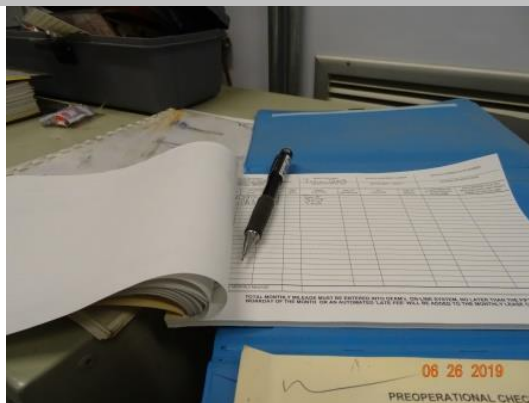
**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	A	Issue No.	1	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Operating Log			38.931815 °	38.931815 °	
				-121.634331 °	-121.634331 °	
DWR ID	DWR_NA0060_21_t_2012_1					
Action/Comments						
Inspector Comments: The operating log is kept on site.						

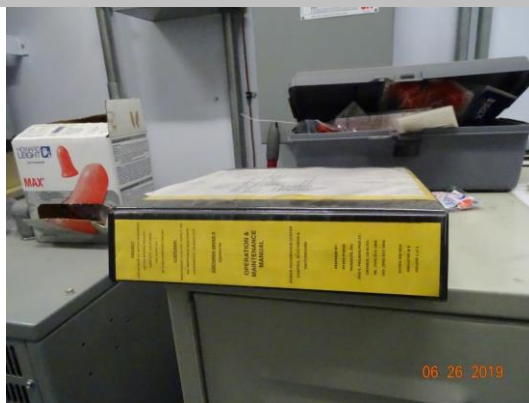
Photo 1 of 1 : ST\_2019\_NA0060\_21\_1\_20190627\_00039.jpg



View of operating log (Summer 2019).

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_2				
Action/Comments					
Inspector Comments: The O&M manual is available at the site. Sutter Maintenance Yard will provide documentation of future maintenance.					

Photo 1 of 1 : ST\_2019\_NA0060\_21\_2\_20190626\_00020.jpg



View of O&amp;M Manual (Summer 2019).

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Plant Building			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_3				
Action/Comments					
Inspector Comments: Plant building appears to be in good working order.					

Photo 1 of 2 : ST\_2019\_NA0060\_21\_3\_20190627\_00040.jpg



View of the outside of the facility. Photo taken June, 2019.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	A	Issue No.	3 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Plant Building			38.931815 °	38.931815 °	
				-121.634331 °	-121.634331 °	
DWR ID	DWR_NA0060_21_t_2012_3					
Action/Comments						
Inspector Comments: Plant building appears to be in good working order.						

Photo 2 of 2 : ST\_2019\_NA0060\_21\_3\_20190626\_00022.jpg



View of the outside of the operating building. Photo taken June, 2019.

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Communications			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_4				
Action/Comments					
Inspector Comments: Cell phones and two-way radios are available to pump station operators. The remote control operating system (SCADA) appears to be operational.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Safety			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_5				
Action/Comments					
Inspector Comments: All safety gear is in place and in working order.					

Photo 1 of 7 : ST\_2019\_NA0060\_21\_5\_20190627\_00041.jpg



View of fire extinguisher inside the operating room (Summer 2019).

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	A	Issue No.	5 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Safety			38.931815 °	38.931815 °	
				-121.634331 °	-121.634331 °	
DWR ID	DWR_NA0060_21_t_2012_5					
Action/Comments						
Inspector Comments: All safety gear is in place and in working order.						

Photo 2 of 7 : ST\_2019\_NA0060\_21\_5\_20190626\_00024.jpg



View of fire extinguisher next to facility entrance (Summer 2019).

Photo 3 of 7 : ST\_2019\_NA0060\_21\_5\_20190627\_00042.jpg



View of stairway railing leading down to pump inlet (Summer 2019).

Photo 4 of 7 : ST\_2019\_NA0060\_21\_5\_20190627\_00043.jpg



View of fall protection cable hook-in next to wet wells (Summer 2019).

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>5 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>5 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	A	Issue No.	5 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Safety			38.931815 °	38.931815 °	
				-121.634331 °	-121.634331 °	
DWR ID	DWR_NA0060_21_t_2012_5					
Action/Comments						
Inspector Comments: All safety gear is in place and in working order.						

Photo 5 of 7 : ST\_2019\_NA0060\_21\_5\_20190626\_00027.jpg



View of railings above the trash racks (Summer 2019).

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>5 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 6 of 7 : ST\_2019\_NA0060\_21\_5\_20190627\_00044.jpg



View of railings next to manual gate operators (Summer 2019).

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>5 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 7 of 7 : ST\_2019\_NA0060\_21\_5\_20190627\_00045.jpg



View of railings next to flap gate gate (Summer 2019).

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	N	Issue No.	6	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Cranes			38.931815 °	38.931815 °	
				-121.634331 °	-121.634331 °	
DWR ID	DWR_NA0060_21_t_2012_6					
Action/Comments						
Inspector Comments: Cranes are not present at this site.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Pumps			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_7				
Action/Comments					
Inspector Comments: Pumps appear to be properly maintained and in working condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	8	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Power			38.931815 °	38.931815 °	
				-121.634331 °	-121.634331 °	
DWR ID	DWR_NA0060_21_t_2012_8					
Action/Comments						
Inspector Comments: The structure is on the grid with emergency backup generator.						

Photo 1 of 1 : ST\_2019\_NA0060\_21\_8\_20190626\_00030.jpg



View of backup generator inside the facility (Summer 2019).

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	A	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Motors, Engines, Fans & Gear Reducers			38.931815°	38.931815°
				-121.634331°	-121.634331°
DWR ID	DWR_NA0060_21_t_2012_10				
Action/Comments					
Inspector Comments: These items appear to be maintained and in operating condition.					

Photo 1 of 2 : ST\_2019\_NA0060\_21\_10\_20190626\_00031.jpg



View of pump motors (Summer 2019).

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>10 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST\_2019\_NA0060\_21\_10\_20190627\_00046.jpg



View of pump oil well (Summer 2019).

LM Start	0.00	Rating **	A	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Pump Control Systems			38.931815°	38.931815°
				-121.634331°	-121.634331°
DWR ID	DWR_NA0060_21_t_2012_11				
Action/Comments					
Inspector Comments: Pump control systems on site are new and appear to be in working order.					

Photo 1 of 1 : ST\_2019\_NA0060\_21\_11\_20190627\_00047.jpg



View of pump control panels inside operating room (Summer 2019).

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	A	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Sumps/Wet Well			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_12				
Action/Comments					
Inspector Comments: Sumps are clear and free of debris.					

Photo 1 of 1 : ST\_2019\_NA0060\_21\_12\_20190626\_00034.jpg



View of one of the wet wells. All four wet wells looked like this (Summer 2019).

LM Start	0.00	Rating **	A	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t _ 2012_13				
Action/Comments					
Inspector Comments: No debris present on trash racks, they appear to be in good condition.					

Photo 1 of 1 : ST\_2019\_NA0060\_21\_13\_20190627\_00048.jpg



View of trash racks (Summer 2019).

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_14				
Action/Comments					
Inspector Comments: No trash rake at this site.					

No Photos

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Sluice / Slide Gates			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_15				
Action/Comments					
Inspector Comments: Sluice gates appear to be in good working order.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_16				
Action/Comments					
Inspector Comments: This item does not currently apply. Motors to mechanically operate sluice gates are available during the flood season.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Manual Gate Operators			38.931815 °	38.931815 °	
				-121.634331 °	-121.634331 °	
DWR ID	DWR_NA0060_21_t_2012_17					
Action/Comments						
Inspector Comments: Manual gate operators appear to be in good condition.						

Photo 1 of 1 : ST\_2019\_NA0060\_21\_17\_20190627\_00049.jpg



View of manual gate operators (Summer 2019).

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	A	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_18				
Action/Comments					
Inspector Comments: These items appear to be in good condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_19				
Action/Comments					
Inspector Comments: Flap gates appear to be in working condition. There are no apparent signs of significant corrosion or damage. All are closed.					

Photo 1 of 1 : ST\_2019\_NA0060\_21\_19\_20190627\_00050.jpg



View of closed flap gates (Summer 2019).

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_20				
Action/Comments					
Inspector Comments: No closure structure present at this location.					

No Photos

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	A	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_21				
Action/Comments					
Inspector Comments: Site is secured by a masonry brick wall and steel gate.					

Photo 1 of 1 : ST\_2019\_NA0060\_21\_21\_20190627\_00051.jpg



View of concrete security fence with additional chainlink fence, and steel security door (Summer 2019).

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Intake and Discharge Pipes			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_22				
Action/Comments					
Inspector Comments: No visible deficiencies observed in the pipe's condition.					

No Photos

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance**  
**Unit Cover Sheet**  
**2019 Pumping Plant Inspection Results**

**DWR Sutter Maintenance Yard**

Pumping Plant
Sutter Bypass Pumping Plant No. 2

Pumping Plant Rating	<a href="#">A</a>
Date of Inspection	<a href="#">6/26/2019</a>
DWR Inspector	<a href="#">David Julian</a>
Accompanied By	<a href="#">Gregg Ahlers</a> <a href="#">Sutter Maintenance Yard</a>

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	A	Issue No.	1	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Operating Log			39.026449 °	39.026449 °	
				-121.726937 °	-121.726937 °	
DWR ID	DWR_NA0060_22_t_2012_1					
Action/Comments						
Inspector Comments: Operation log is located at the site.						

Photo 1 of 1 : ST\_2019\_NA0060\_22\_1\_20190627\_00044.jpg



View of operating log (Summer 2019).

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_2				
Action/Comments					
Inspector Comments: O&M Manual is present at the site. Sutter Maintenance Yard will provide documentation of maintenance going forward.					

Photo 1 of 1 : ST\_2019\_NA0060\_22\_2\_20190627\_00045.jpg



View of O&amp;M Manual (Summer 2019).

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Plant Building			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_3				
Action/Comments					
Inspector Comments: Plant building appears to be in working order.					

Photo 1 of 2 : ST\_2019\_NA0060\_22\_3\_20190627\_00046.jpg



View of outside of pump operating building (Summer 2019).

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	A	Issue No.	3 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Plant Building			39.026449 °	39.026449 °	
				-121.726937 °	-121.726937 °	
DWR ID	DWR_NA0060_22_t_2012_3					
Action/Comments						
Inspector Comments: Plant building appears to be in working order.						

Photo 2 of 2 : ST\_2019\_NA0060\_22\_3\_20190627\_00047.jpg



View of outside of facility (Summer 2019).

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Communications			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_4				
Action/Comments					
Inspector Comments: Operator has two-way radio and cellular phone available to them. The remote control system appears to be operational.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Safety			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2019_5				
Action/Comments					
Inspector Comments: The site has fire extinguishers on site and fall protection rails. Gates have been installed to limit access to pump inlet. Railings above trash racks are in the process of installation.					

Photo 1 of 7 : ST\_2019\_NA0060\_22\_5\_20190627\_00048.jpg



View of fire extinguisher inside operating building (Summer 2019).

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	A	Issue No.	5 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Safety			39.026449 °	39.026449 °	
				-121.726937 °	-121.726937 °	
DWR ID	DWR_NA0060_22_t_2019_5					
Action/Comments						
Inspector Comments: The site has fire extinguishers on site and fall protection rails. Gates have been installed to limit access to pump inlet. Railings above trash racks are in the process of installation.						

Photo 2 of 7 : ST\_2019\_NA0060\_22\_5\_20190627\_00049.jpg



View of fire extinguisher next to facility entrance (Summer 2019).

Photo 3 of 7 : ST\_2019\_NA0060\_22\_5\_20190627\_00050.jpg



View of stair railing down to pump inlet (Summer 2019).

Photo 4 of 7 : ST\_2019\_NA0060\_22\_5\_20190627\_00051.jpg



View of fall protection cable next to wet wells (Summer 2019).

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>5 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>5 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	A	Issue No.	5 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Safety			39.026449 °	39.026449 °	
				-121.726937 °	-121.726937 °	
DWR ID	DWR_NA0060_22_t_2019_5					
Action/Comments						
Inspector Comments: The site has fire extinguishers on site and fall protection rails. Gates have been installed to limit access to pump inlet. Railings above trash racks are in the process of installation.						

Photo 5 of 7 : ST\_2019\_NA0060\_22\_5\_20190627\_00052.jpg



View of gate closing off access to pump inlet (Summer 2019).

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>5 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 6 of 7 : ST\_2019\_NA0060\_22\_5\_20190627\_00053.jpg



View of railing and signage next to manual gate operators (Summer 2019).

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>5 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 7 of 7 : ST\_2019\_NA0060\_22\_5\_20190627\_00054.jpg



View of railings and signage above flap gates (Summer 2019).

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	N	Issue No.	6	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start		End
Item	Cranes			39.026449 °		39.026449 °
				-121.726937 °		-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_6					
Action/Comments						
Inspector Comments: Cranes are not present at this site.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	7	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Pumps			39.026449 °	39.026449 °	
				-121.726937 °	-121.726937 °	
DWR ID	DWR_NA0060_22_t_2012_7					
Action/Comments						
Inspector Comments: Pumps appear to be in working order.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	8	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Power			39.026449 °	39.026449 °	
				-121.726937 °	-121.726937 °	
DWR ID	DWR_NA0060_22_t_2012_8					
Action/Comments						
Inspector Comments: The structure is on the grid with emergency backup generator.						

Photo 1 of 2 : ST\_2019\_NA0060\_22\_8\_20190627\_00055.jpg



View fuel tank for emergency generator (Summer 2019).

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	A	Issue No.	8 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Power			39.026449 °	39.026449 °	
				-121.726937 °	-121.726937 °	
DWR ID	DWR_NA0060_22_t_2012_8					
Action/Comments						
Inspector Comments: The structure is on the grid with emergency backup generator.						

Photo 2 of 2 : ST\_2019\_NA0060\_22\_8\_20190627\_00056.jpg



View of emergency generator (Summer 2019).

LM Start	0.00	Rating **	A	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Motors, Engines, Fans & Gear Reducers			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_10				
Action/Comments					
Inspector Comments: These items appear to be maintained and in operational condition.					

Photo 1 of 2 : ST\_2019\_NA0060\_22\_10\_20190627\_00057.jpg



View of pump motors (Summer 2019).

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>10 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST\_2019\_NA0060\_22\_10\_20190627\_00058.jpg



View of pump oil wells (Summer 2019).

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	A	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Pump Control Systems			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_11				
Action/Comments					
Inspector Comments: Pump control systems on site are new and appear to be in working order.					

Photo 1 of 1 : ST\_2019\_NA0060\_22\_11\_20190627\_00059.jpg



View of pump control panels in operating building (Summer 2019).

LM Start	0.00	Rating **	M	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Sumps/Wet Well			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_12				
Action/Comments					
Inspector Comments: Trash and plant debris buildup in sump number 4 should be removed.					

Photo 1 of 1 : ST\_2019\_NA0060\_22\_12\_20190627\_00060.jpg



View of debris in sump 4 (Summer 2019).

LM Start	0.00	Rating **	A	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_13				
Action/Comments					
Inspector Comments: Trash rack is secure and free of debris.					

Photo 1 of 1 : ST\_2019\_NA0060\_22\_13\_20190627\_00061.jpg



View of trash racks (Summer 2019).

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_14				
Action/Comments					
Inspector Comments: No trash rake at this site.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Sluice / Slide Gates			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_15				
Action/Comments					
Inspector Comments: Sluice gates appear to be properly maintained and operational.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_16				
Action/Comments					
Inspector Comments: This item does not currently apply. Motors to mechanically operate sluice gates are available during the flood season.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_17				
Action/Comments					
Inspector Comments: Manual gate operators appear to be in good working condition.					

Photo 1 of 1 : ST\_2019\_NA0060\_22\_17\_20190627\_00062.jpg



View of manual gate operators (Summer 2019).

LM Start	0.00	Rating **	A	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_18				
Action/Comments					
Inspector Comments: All other metal parts that were visible are corrosion protected.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2019_19				
Action/Comments					
Inspector Comments: Flap gates appear to be in working condition. There are no apparent signs of significant corrosion or damage. All are closed.					

Photo 1 of 1 : ST\_2019\_NA0060\_22\_19\_20190627\_00063.jpg



View of closed flap gates (Summer 2019).

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_20				
Action/Comments					
Inspector Comments: No closure structure present at this location.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_21				
Action/Comments					
Inspector Comments: Site is secured with masonry and concrete wall and steel entrance door.					

Photo 1 of 1 : ST\_2019\_NA0060\_22\_21\_20190627\_00064.jpg



View of steel security door and concrete security wall around facility (Summer 2019).

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Intake and Discharge Pipes			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_22				
Action/Comments					
Inspector Comments: No visible deficiencies observed in the pipe's condition.					

No Photos

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance****Unit Cover Sheet****2019 Pumping Plant Inspection Results****DWR Sutter Maintenance Yard**

Pumping Plant
Sutter Bypass Pumping Plant No. 3

Pumping Plant Rating	<a href="#">A</a>
Date of Inspection	<a href="#">6/26/2019</a>
DWR Inspector	<a href="#">David Julian</a>
Accompanied By	<a href="#">Gregg Ahlers</a> <a href="#">Sutter Maintenance Yard</a>

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	A	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Operating Log			39.120096 °	39.120096 °
				-121.779234 °	-121.779234 °
DWR ID	DWR_NA0060_23_t_2012_1				
Action/Comments					
Inspector Comments: Operation log is at the site.					

Photo 1 of 1 : ST\_2019\_NA0060\_23\_1\_20190627\_00025.jpg



View of operating log (Summer 2019).

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_2				
Action/Comments					
Inspector Comments: O&M Manual is present at the site. Sutter Maintenance Yard will provide documentation of maintenance going forward.					

Photo 1 of 1 : ST\_2019\_NA0060\_23\_2\_20190627\_00024.jpg



View of O&amp;M Manual (Summer 2019).

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Plant Building			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_3				
Action/Comments					
Inspector Comments: Plant building appears to be in working condition.					

Photo 1 of 1 : ST\_2019\_NA0060\_23\_3\_20190627\_00026.jpg



View of outside of plant building (Summer 2019).

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Communications			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_4				
Action/Comments					
Inspector Comments: Operator has two-way radio and cellular phone available to them. The remote control operation system (SCADA) appears to be operational.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Safety			39.120096 °	39.120096 °	
				-121.779230 °	-121.779230 °	
DWR ID	DWR_NA0060_23_t_2012_5					
Action/Comments						
Inspector Comments: The site has fire extinguishers on site and fall protection rails.						

Photo 1 of 7 : ST\_2019\_NA0060\_23\_5\_20190627\_00027.jpg



View of fire extinguisher inside operating building (Summer 2019).

Photo 2 of 7 : ST\_2019\_NA0060\_23\_5\_20190627\_00028.jpg



View of fire extinguisher adjacent to facility entrance (Summer 2019).

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	A	Issue No.	5 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Safety			39.120096 °	39.120096 °	
				-121.779230 °	-121.779230 °	
DWR ID	DWR_NA0060_23_t_2012_5					
Action/Comments						
Inspector Comments: The site has fire extinguishers on site and fall protection rails.						

Photo 3 of 7 : ST\_2019\_NA0060\_23\_5\_20190627\_00029.jpg



View of railing for stairway down to pump inlet (Summer 2019).

Photo 4 of 7 : ST\_2019\_NA0060\_23\_5\_20190627\_00030.jpg



View of railings next to pump inlet (Summer 2019).

Photo 5 of 7 : ST\_2019\_NA0060\_23\_5\_20190627\_00031.jpg



View of fall protection cable and signage on next to wet wells (Summer 2019).

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>5 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>5 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	A	Issue No.	5 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Safety			39.120096 °	39.120096 °	
				-121.779230 °	-121.779230 °	
DWR ID	DWR_NA0060_23_t_2012_5					
Action/Comments						
Inspector Comments: The site has fire extinguishers on site and fall protection rails.						

Photo 6 of 7 : ST\_2019\_NA0060\_23\_5\_20190627\_00032.jpg



View of safety railing and signage next to manual gate operators (Summer 2019).

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>5 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 7 of 7 : ST\_2019\_NA0060\_23\_5\_20190627\_00033.jpg



View of safety railing and signage above flap gates (Summer 2019).

LM Start	0.00	Rating **	N	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Cranes			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_6				
Action/Comments					
Inspector Comments: Cranes are not present at this site.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	A	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Pumps			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_7				
Action/Comments					
Inspector Comments: Pumps appear to be properly maintained and in working condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	8	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Power			39.120096 °	39.120096 °	
				-121.779230 °	-121.779230 °	
DWR ID	DWR_NA0060_23_t_2012_8					
Action/Comments						
Inspector Comments: The structure is on the grid with emergency generator backup.						

Photo 1 of 1 : ST\_2019\_NA0060\_23\_8\_20190627\_00034.jpg



View of emergency backup generator (Summer 2019).

LM Start	0.00	Rating **	A	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Motors, Engines, Fans & Gear Reducers			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_10				
Action/Comments					
Inspector Comments: These items appear to be maintained and in operating condition.					

Photo 1 of 2 : ST\_2019\_NA0060\_23\_10\_20190627\_00035.jpg



View of pump motors (Summer 2019).

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	A	Issue No.	10 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Motors, Engines, Fans & Gear Reducers			39.120096 °	39.120096 °	
				-121.779230 °	-121.779230 °	
DWR ID	DWR_NA0060_23_t_2012_10					
Action/Comments						
Inspector Comments: These items appear to be maintained and in operating condition.						

Photo 2 of 2 : ST\_2019\_NA0060\_23\_10\_20190627\_00036.jpg



View of pump oil well (Summer 2019).

LM Start	0.00	Rating **	A	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Pump Control Systems			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_11				
Action/Comments					
Inspector Comments: Pump control systems on site are new and appear to be in working order.					

Photo 1 of 1 : ST\_2019\_NA0060\_23\_11\_20190627\_00037.jpg



View of pump control panels in operating building (Summer 2019).

LM Start	0.00	Rating **	A	Issue No.	12	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Sumps/Wet Well			39.120096 °	39.120096 °	
				-121.779230 °	-121.779230 °	
DWR ID	DWR_NA0060_23_t_2012_12					
Action/Comments						
Inspector Comments: Sumps are clear and free of debris.						

Photo 1 of 1 : ST\_2019\_NA0060\_23\_12\_20190627\_00039.jpg



View of one wet well that represents appearance of all wet wells (Summer 2019).

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	A	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_13				
Action/Comments					
Inspector Comments: No debris present on trash racks, they appear to be in good condition.					

Photo 1 of 1 : ST\_2019\_NA0060\_23\_13\_20190627\_00038.jpg



View of trash racks (Summer 2019).

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_14				
Action/Comments					
Inspector Comments: No trash rake at this site.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Sluice / Slide Gates			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_15				
Action/Comments					
Inspector Comments: Sluice gates appear to be in good working order.					

No Photos

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	N	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_16				
Action/Comments					
Inspector Comments: Item does not apply, gate operators are manual only.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Manual Gate Operators			39.120096 °	39.120096 °	
				-121.779230 °	-121.779230 °	
DWR ID	DWR_NA0060_23_t_2012_17					
Action/Comments						
Inspector Comments: Manual gate operators appear to be in working order.						

Photo 1 of 1 : ST\_2019\_NA0060\_23\_17\_20190627\_00040.jpg



View of manual gate operators (Summer 2019).

LM Start	0.00	Rating **	A	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_18				
Action/Comments					
Inspector Comments: All other metal parts that were visible are corrosion protected.					

No Photos

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	A	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2019_19				
Action/Comments					
Inspector Comments: Flap gates appear to be in working condition. There are no apparent signs of significant corrosion or damage. All are closed.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Closure Structures			39.120096 °	39.120096 °	
				-121.779230 °	-121.779230 °	
DWR ID	DWR_NA0060_23_t_2012_20					
Action/Comments						
Inspector Comments: No closure structure present at this location.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_21				
Action/Comments					
Inspector Comments: Site is currently secured by a concrete wall and steel entrance door.					

Photo 1 of 1 : ST\_2019\_NA0060\_23\_21\_20190627\_00041.jpg



View of concrete security fencing and steel entrance door (Summer 2019).

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Intake and Discharge Pipes			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_22				
Action/Comments					
Inspector Comments: No visible deficiencies observed in the pipe's condition.					

No Photos

**\* Location**  
LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance**  
**Unit Cover Sheet**  
**2019 Structure Inspection Results**

**DWR Sutter Maintenance Yard**

Structure
Sutter Bypass Weir No. 2

Structure Rating	<a href="#">A</a>
Date of Inspection	<a href="#">6/26/2019</a>
DWR Inspector	<a href="#">David Julian</a>
Accompanied By	<a href="#">Gregg Ahlers</a> <a href="#">Sutter Maintenance Yard</a>

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			39.102526°	39.102526°
				-121.758682°	-121.758682°
DWR ID	DWR_NA0060_10_t_2012_1				
Action/Comments					
Inspector Comments: The new weir is built under the Permit No. 18400 (CVFPB) issued 10-30-2008.					

Photo 1 of 4 : ST\_2019\_NA0060\_10\_1\_20190627\_00019.jpg



View of outside of compressor facility (Summer 2019).

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>1 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 2 of 4 : ST\_2019\_NA0060\_10\_1\_20190627\_00016.jpg



View looking downslope of levee at entire weir and fish ladder (Summer 2019).

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>1 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 3 of 4 : ST\_2019\_NA0060\_10\_1\_20190627\_00017.jpg



View looking upstream at weir (Summer 2019).

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	N	Issue No.	1 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Photo Documentation			39.102526 °		39.102526 °
				-121.758682 °		-121.758682 °
DWR ID	DWR_NA0060_10_t_2012_1					
Action/Comments						
Inspector Comments: The new weir is built under the Permit No. 18400 (CVFPB) issued 10-30-2008.						

Photo 4 of 4 : ST\_2019\_NA0060\_10\_1\_20190627\_00018.jpg



View looking downslope and slightly downstream at weir and fish ladder (Summer 2019).

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			39.102526 °	39.102526 °
				-121.758682 °	-121.758682 °
DWR ID	DWR_NA0060_10_t_2012_2				
Action/Comments					
Inspector Comments: No vegetation blocking flow through the structure					

No Photos

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Shoaling / Sedimentation			39.102526 °	39.102526 °
				-121.758682 °	-121.758682 °
DWR ID	DWR_NA0060_10_t_2012_3				
Action/Comments					
Inspector Comments: No shoaling or sedimentation visible during inspection.					

No Photos

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.102526 °	39.102526 °
				-121.758682 °	-121.758682 °
DWR ID	DWR_NA0060_10_t_2012_4				
Action/Comments					
Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Revetments			39.102526 °	39.102526 °
				-121.758682 °	-121.758682 °
DWR ID	DWR_NA0060_10_t_2012_5				
Action/Comments					
Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.					

Photo 1 of 2 : ST\_2019\_NA0060\_10\_5\_20190627\_00020.jpg



View of riprap on the rightbank downstream of the weir (Summer 2019).

Photo 2 of 2 : ST\_2019\_NA0060\_10\_5\_20190627\_00021.jpg



View of rip rap on the leftbank downstream of the weir (Summer 2019).

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.102526 °	39.102526 °
				-121.758682 °	-121.758682 °
DWR ID	DWR_NA0060_10_t_2012_6				
Action/Comments					
Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the project easement area.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	7	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Culverts: Inlets / Outlets			39.102526 °		39.102526 °
				-121.758682 °		-121.758682 °
DWR ID	DWR_NA0060_10_t_2012_7					
Action/Comments						
Inspector Comments: This item does not apply to this inspection.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	8	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Culverts: Breaks / Holes / Cracks			39.102526 °	39.102526 °	
				-121.758682 °	-121.758682 °	
DWR ID	DWR_NA0060_10_t_2012_8					
Action/Comments						
Inspector Comments: This item does not apply to this inspection.						

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	N	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Metal Pipes	39.102526 °		39.102526 °	
		-121.758682 °		-121.758682 °	
DWR ID	DWR_NA0060_10_t_2012_9				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Trash Racks	39.102526 °		39.102526 °	
		-121.758682 °		-121.758682 °	
DWR ID	DWR_NA0060_10_t_2012_10				
Action/Comments					
Inspector Comments: There are no trash racks at this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			39.102526 °	39.102526 °
				-121.758682 °	-121.758682 °
DWR ID	DWR_NA0060_10_t_2012_11				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	A	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Sluice/Slide Gates			39.102526 °	39.102526 °
				-121.758682 °	-121.758682 °
DWR ID	DWR_NA0060_10_t_2012_12				
Action/Comments					
Inspector Comments: Gates open and close freely with minor leakage. Sill is free of sediment and other obstructions. Gates and lifters have been maintained.					

Photo 1 of 1 : ST\_2019\_NA0060\_10\_12\_20190625\_00008.jpg



View of slide gates looking upstream. Photo taken July, 2018.

LM Start	0.00	Rating **	A	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			39.102526 °	39.102526 °
				-121.758682 °	-121.758682 °
DWR ID	DWR_NA0060_10_t_2012_13				
Action/Comments					
Inspector Comments: The sluice gates are opened and closed by the inflation/deflation of a bladder. The compressors' are located in the building on the left bank of the levee crown and are functioning properly.					

Photo 1 of 1 : ST\_2019\_NA0060\_10\_13\_20190625\_00009.jpg



View of control panel, air compressor, and generator. Photo taken July, 2018.

LM Start	0.00	Rating **	N	Issue No.	14
LM End		Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			39.102526 °	39.102526 °
				-121.758682 °	-121.758682 °
DWR ID	DWR_NA0060_10_t_2012_14				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Surfaces			39.102526 °	39.102526 °
				-121.758682 °	-121.758682 °
DWR ID	DWR_NA0060_10_t_2012_15				
Action/Comments					
Inspector Comments: Negligible spalling, scaling, and cracking.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Tilting / Settlement			39.102526 °	39.102526 °
				-121.758682 °	-121.758682 °
DWR ID	DWR_NA0060_10_t_2012_16				
Action/Comments					
Inspector Comments: There are no significant areas of tilting, sliding or settlement that would endanger the integrity of the project.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			39.102526 °	39.102526 °
				-121.758682 °	-121.758682 °
DWR ID	DWR_NA0060_10_t_2012_17				
Action/Comments					
Inspector Comments: No scouring / erosion or undermining near the structure.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	A	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			39.102526 °	39.102526 °
				-121.758682 °	-121.758682 °
DWR ID	DWR_NA0060_10_t_2012_18				
Action/Comments					
Inspector Comments: Safety / security fencing is good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal parts. The fence is very close to the hing point of the slope and does not allow access around the out side of the fence in this location.					

Photo 1 of 1 : ST\_2019\_NA0060\_10\_18\_20190627\_00022.jpg



View of security fencing around the compressor building (Summer 2019).

LM Start	0.00	Rating **	A	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			39.102526 °	39.102526 °
				-121.758682 °	-121.758682 °
DWR ID	DWR_NA0060_10_t_2012_19				
Action/Comments					
Inspector Comments: Closure structure in good repair. Placing equipment, stoplogs, and other materials are available at the Sutter Yard.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			39.102526 °	39.102526 °
				-121.758682 °	-121.758682 °
DWR ID	DWR_NA0060_10_t_2012_20				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	A	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			39.102526 °	39.102526 °
				-121.758682 °	-121.758682 °
DWR ID	DWR_NA0060_10_t_2012_21				
Action/Comments					
Inspector Comments: All metal decks are protected from corrosion damage, and show no rust or deterioration that would cause a safety concern.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			39.102526 °	39.102526 °
				-121.758682 °	-121.758682 °
DWR ID	DWR_NA0060_10_t_2012_22				
Action/Comments					
Inspector Comments: The monolith joint material is in good condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Safety			39.102526 °	39.102526 °
				-121.758682 °	-121.758682 °
DWR ID	DWR_NA0060_10_t_2012_23				
Action/Comments					
Inspector Comments: Safety hardware installed. Adequate protection for fall hazards exist. No hazardous conditions that might affect the operation of the structure. Fire extinguisher is located in in the compressor building and is current.					

Photo 1 of 2 : ST\_2019\_NA0060\_10\_23\_20190627\_00023.jpg



View of fire extinguisher in compressor building (Summer 2019).

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	A	Issue No.	23 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Safety			39.102526 °		39.102526 °
				-121.758682 °		-121.758682 °
DWR ID	DWR_NA0060_10_t_2012_23					
Action/Comments						
Inspector Comments: Safety hardware installed. Adequate protection for fall hazards exist. No hazardous conditions that might affect the operation of the structure. Fire extinguisher is located in in the compressor building and is current.						

Photo 2 of 2 : ST\_2019\_NA0060\_10\_23\_20190627\_00024.jpg



View of fall protection railing surrounding weir (Summer 2019).

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Operation & Maintenance Manual	39.102526 °		39.102526 °	
		-121.758682 °		-121.758682 °	
DWR ID	DWR_NA0060_10_t_2013_24				
Action/Comments					
Inspector Comments: Sutter Maintenance Yard has a copy of the O&M at the site.					

Photo 1 of 1 : ST\_2019\_NA0060\_10\_24\_20190627\_00025.jpg



View of O&M manual (Summer 2019).

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance**  
**Unit Cover Sheet**  
**2019 Structure Inspection Results**

**DWR Sutter Maintenance Yard**

Structure
Tisdale Weir

Structure Rating	<b>M</b>
Date of Inspection	7/18/2019
DWR Inspector	Zach Jojola
Accompanied By	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/18/2019 07/18/2019	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_1				
Action/Comments					

Photo 1 of 6 : ST\_2019\_NA0060\_3\_1\_20190719\_00021.jpg



View of weir from the downstream end of the Sacramento River. Summer 2019.

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>1 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 2 of 6 : ST\_2019\_NA0060\_3\_1\_20190719\_00022.jpg



View of Tisdale Bypass, facing downstream. Summer 2019.

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>1 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 3 of 6 : ST\_2019\_NA0060\_3\_1\_20190719\_00023.jpg



View of adjacent parking lot and boat launch. Summer 2019.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/18/2019 07/18/2019	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.	1 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Photo Documentation			39.026713 °	39.026713 °	
				-121.821995 °	-121.821995 °	
DWR ID	DWR_NA0060_3_t_2012_1					
Action/Comments						

Photo 4 of 6 : ST\_2019\_NA0060\_3\_1\_20190719\_00024.jpg



View of weir from the upstream end of the Sacramento River. Summer 2019.

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>1 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 5 of 6 : ST\_2019\_NA0060\_3\_1\_20190723\_00034.jpg



View of eroded access ramp. Summer 2019.

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>1 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 6 of 6 : ST\_2019\_NA0060\_3\_1\_20190723\_00035.jpg



Additional view of eroded access ramp. Summer 2019.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Structure 2019

### DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/18/2019 07/18/2019	Zach Jojola

LM Start	0.00	Rating **	U	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_2				
Action/Comments					
Inspector Comments: Significant amounts of tree trunks have settled on the boat launch parking area at the weir inlet.					

Photo 1 of 2 : ST\_2019\_NA0060\_3\_2\_20190719\_00025.jpg



View of dead trees at the weir inlet. Summer 2019.

LM Start	<b>0.00</b>	Rating **	U	Issue No.	<b>2 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST\_2019\_NA0060\_3\_2\_20190723\_00036.jpg



Additional view of trees at the weir inlet. Summer 2019.

LM Start	0.00	Rating **	M	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Shoaling / Sedimentation	39.026713 °		39.026713 °	
		-121.821995 °		-121.821995 °	
DWR ID	DWR_NA0060_3_t_2012_3				
Action/Comments					
Inspector Comments: Sedimentation found at various locations throughout the stilling basin should be removed.					

Photo 1 of 1 : ST\_2019\_NA0060\_3\_3\_20190719\_00026.jpg



View of the silt and cobble build-up within the weir stilling basin. Summer 2019.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/18/2019 07/18/2019	Zach Jojola

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_4				
Action/Comments					
Inspector Comments: No active erosion or bank caving.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Revetments			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_5				
Action/Comments					
Inspector Comments: Existing riprap is undamaged.					

Photo 1 of 1 : ST\_2019\_NA0060\_3\_5\_20190722\_00027.jpg



View of riprap on the south abutment. Summer 2019.

LM Start	0.00	Rating **	A	Issue No.	6	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			39.026713 °	39.026713 °	
				-121.821995 °	-121.821995 °	
DWR ID	DWR_NA0060_3_t_2012_6					
Action/Comments						
Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the easement.						

No Photos

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/18/2019 07/18/2019	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Culverts: Inlets / Outlets	39.026713 °		39.026713 °	
		-121.821995 °		-121.821995 °	
DWR ID	DWR_NA0060_3_t_2012_7				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Culverts: Breaks / Holes / Cracks	39.026713 °		39.026713 °	
		-121.821995 °		-121.821995 °	
DWR ID	DWR_NA0060_3_t_2012_8				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	9	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Metal Pipes			39.026713 °		39.026713 °
				-121.821995 °		-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_9					
Action/Comments						
Inspector Comments: This item does not apply to this inspection.						

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/18/2019 07/18/2019	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Trash Racks	39.026713 °		39.026713 °	
		-121.821995 °		-121.821995 °	
DWR ID	DWR_NA0060_3_t_2012_10				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Flap Gates	39.026713 °		39.026713 °	
		-121.821995 °		-121.821995 °	
DWR ID	DWR_NA0060_3_t_2012_11				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Sluice/Slide Gates	39.026713 °		39.026713 °	
		-121.821995 °		-121.821995 °	
DWR ID	DWR_NA0060_3_t_2012_12				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/18/2019 07/18/2019	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Electric Gate Operators	39.026713 °		39.026713 °	
		-121.821995 °		-121.821995 °	
DWR ID	DWR_NA0060_3_t_2012_13				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Manual Gate Operators	39.026713 °		39.026713 °	
		-121.821995 °		-121.821995 °	
DWR ID	DWR_NA0060_3_t_2012_14				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	U	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Surfaces	39.026713 °		39.026713 °	
		-121.821995 °		-121.821995 °	
DWR ID	DWR_NA0060_3_t_2012_15				
Action/Comments					
Inspector Comments: Spalling, scaling, cracking, exposed rebar throughout the structure.					

Photo 1 of 4 : ST\_2019\_NA0060\_3\_15\_20190722\_00028.jpg



View of cracking the south abutment. Summer 2019.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/18/2019 07/18/2019	Zach Jojola

LM Start	0.00	Rating **	U	Issue No.	15 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Concrete Surfaces			39.026713 °		39.026713 °
				-121.821995 °		-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_15					
Action/Comments						
Inspector Comments: Spalling, scaling, cracking, exposed rebar throughout the structure.						

Photo 2 of 4 : ST\_2019\_NA0060\_3\_15\_20190722\_00029.jpg



View of spalling on the weir. Summer 2019.

LM Start	<b>0.00</b>	Rating **	U	Issue No.	<b>15 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 3 of 4 : ST\_2019\_NA0060\_3\_15\_20190722\_00031.jpg



View of missing counterforts and exposed rebar. Summer 2019.

LM Start	<b>0.00</b>	Rating **	U	Issue No.	<b>15 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 4 of 4 : ST\_2019\_NA0060\_3\_15\_20190722\_00032.jpg



View of north abutment. Summer 2019.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/18/2019 07/18/2019	Zach Jojola

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Tilting / Settlement			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_16				
Action/Comments					
Inspector Comments: There are no significant areas of tilting, sliding or settlement that would endanger the integrity of the project.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2018_17				
Action/Comments					
Inspector Comments: No scouring / erosion or undermining near the structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	18	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Security Fencing			39.026713 °		39.026713 °
				-121.821995 °		-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_18					
Action/Comments						
Inspector Comments: This item does not apply to this inspection.						

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/18/2019 07/18/2019	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Closure Structures	39.026713 °		39.026713 °	
		-121.821995 °		-121.821995 °	
DWR ID	DWR_NA0060_3_t_2012_19				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Trash Rakes			39.026713 °		39.026713 °
				-121.821995 °		-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_20					
Action/Comments						
Inspector Comments: This item does not apply to this inspection.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	21	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Other Metallic Items			39.026713 °		39.026713 °
				-121.821995 °		-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_21					
Action/Comments						
Inspector Comments: This item does not apply to this inspection.						

No Photos

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/18/2019 07/18/2019	Zach Jojola

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Monolith Joints	39.026713 °		39.026713 °	
		-121.821995 °		-121.821995 °	
DWR ID	DWR_NA0060_3_t_2012_22				
Action/Comments					
Inspector Comments: The monolith joint material is in good condition.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Safety	39.026713 °		39.026713 °	
		-121.821995 °		-121.821995 °	
DWR ID	DWR_NA0060_3_t_2012_23				
Action/Comments					
Inspector Comments: Concrete should be repaired to conceal the exposed rebar. Safety fence is needed for protecting the structure from the public parking lot once the logs have been removed.					

Photo 1 of 2 : ST\_2019\_NA0060\_3\_23\_20190722\_00033.jpg



View of exposed rebar at weir transition. Summer 2019.

LM Start	<b>0.00</b>	Rating **	M	Issue No.	<b>23 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST\_2019\_NA0060\_3\_23\_20190625\_00020.jpg



View of safety fence separating the weir from the public parking lot in 2016.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/18/2019 07/18/2019	Zach Jojola

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2013_24				
Action/Comments					
Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.					

No Photos

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance**  
**Unit Cover Sheet**  
**2019 Structure Inspection Results**

**DWR Sutter Maintenance Yard**

Structure
Wadsworth Canal Weir No. 4

Structure Rating	A
Date of Inspection	7/17/2019
DWR Inspector	Makar Sokol
Accompanied By	Bryan Reniff Sutter Maintenance Yard

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_23				
Action/Comments					

Photo 1 of 3 : ST\_2019\_NA0060\_11\_23\_20190718\_00004.jpg



View of the upstream side of the Wadsworth Canal Weir No. 4.

Photo 2 of 3 : ST\_2019\_NA0060\_11\_23\_20190718\_00005.jpg



View of the downstream side of the Wadsworth Canal Weir No. 4.

Photo 3 of 3 : ST\_2019\_NA0060\_11\_23\_20190718\_00006.jpg



Upclose view of the upstream side of the Wadsworth Canal Weir No. 4.

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>23 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>23 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	A	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Vegetation & Obstructions	39.153325 °		39.153325 °	
		-121.734122 °		-121.734122 °	
DWR ID	DWR_NA0060_11_t_2012_1				
Action/Comments					
Inspector Comments: There is no vegetation that would impact the flow of water.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Shoaling / Sedimentation	39.153325 °		39.153325 °	
		-121.734122 °		-121.734122 °	
DWR ID	DWR_NA0060_11_t_2012_2				
Action/Comments					
Inspector Comments: There is no shoaling or sedimentation present.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	3	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			39.153325 °		39.153325 °
				-121.734122 °		-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_3					
Action/Comments						

Photo 1 of 1 : ST\_2019\_NA0060\_11\_3\_20190718\_00007.jpg



View of the stabilized erosion site.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Revetments			39.153325°	39.153325°
				-121.734122°	-121.734122°
DWR ID	DWR_NA0060_11_t_2012_4				
Action/Comments					
Inspector Comments: Extended riprap protection is properly maintained.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			39.153325 °	39.153325 °	
				-121.734122 °	-121.734122 °	
DWR ID	DWR_NA0060_11_t_2012_5					
Action/Comments						
Inspector Comments: There is no debris obstructing the structure.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	6	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Culverts: Inlets / Outlets			39.153325 °	39.153325 °	
				-121.734122 °	-121.734122 °	
DWR ID	DWR_NA0060_11_t_2012_6					
Action/Comments						
Inspector Comments: This item does not apply to this inspection.						

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Culverts: Breaks / Holes / Cracks	39.153325 °		39.153325 °	
		-121.734122 °		-121.734122 °	
DWR ID	DWR_NA0060_11_t_2012_7				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Metal Pipes			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_8				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	9	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Trash Racks			39.153325 °		39.153325 °
				-121.734122 °		-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_9					
Action/Comments						
Inspector Comments: This item does not apply to this inspection.						

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Flap Gates	39.153325°		39.153325°	
		-121.734122°		-121.734122°	
DWR ID	DWR_NA0060_11_t_2012_10				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Sluice/Slide Gates			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_11				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	12	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Electric Gate Operators			39.153325 °		39.153325 °
				-121.734122 °		-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_12					
Action/Comments						
Inspector Comments: This item does not apply to this inspection.						

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			39.153325°	39.153325°
				-121.734122°	-121.734122°
DWR ID	DWR_NA0060_11_t_2012_13				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Surfaces			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_14				
Action/Comments					
Inspector Comments: There is no visible concrete spalling or cracking.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Concrete Tilting / Settlement			39.153325 °	39.153325 °	
				-121.734122 °	-121.734122 °	
DWR ID	DWR_NA0060_11_t_2012_15					
Action/Comments						

No Photos

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Structure 2019

### DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_16				
Action/Comments					
Inspector Comments: The erosion on the downstream side near the structure has been addressed.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_17				
Action/Comments					
Inspector Comments: There is no security fence at this site.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_18				
Action/Comments					
Inspector Comments: There are stop logs available for use within the channel, but the structure does not have any true closure device as the channel would overtop.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Trash Rakes	39.153325 °		39.153325 °	
		-121.734122 °		-121.734122 °	
DWR ID	DWR_NA0060_11_t_2012_19				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Other Metallic Items	39.153325 °		39.153325 °	
		-121.734122 °		-121.734122 °	
DWR ID	DWR_NA0060_11_t_2012_20				
Action/Comments					
Inspector Comments: Metallic items appear to be in good condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Monolith Joints	39.153325 °		39.153325 °	
		-121.734122 °		-121.734122 °	
DWR ID	DWR_NA0060_11_t_2012_21				
Action/Comments					
Inspector Comments: The joint material is in good condition.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2019**

**DWR Sutter Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Safety	39.153325 °		39.153325 °	
		-121.734122 °		-121.734122 °	
DWR ID	DWR_NA0060_11_t_2012_22				
Action/Comments					
Inspector Comments: There is a safety rail around the structure.					

Photo 1 of 1 : ST\_2019\_NA0060\_11\_22\_20190718\_00008.jpg



View of the safety railings around the structure.

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Operation & Maintenance Manual	39.153325 °		39.153325 °	
		-121.734122 °		-121.734122 °	
DWR ID	DWR_NA0060_11_t_2013_24				
Action/Comments					
Inspector Comments: The yard has a copy of the O&M Manual.					

No Photos

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement